

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037019.D
 Acq On : 20 May 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 21 01:14:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1267302	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3759436	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	4287398	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2663523	8.27	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1828142	8.503	ppbv 99
3) Chlorodifluoromethane	2.96	51	2110435	9.090	ppbv 99
4) Chloromethane	3.12	50	722150	9.141	ppbv 97
5) Vinyl Chloride	3.23	62	792153	9.173	ppbv 100
6) Bromomethane	3.45	94	438645	9.639	ppbv 99
7) Chloroethane	3.53	64	282731	10.083	ppbv 97
8) Dichlorotetrafluoroethane	3.16	85	1929607	9.559	ppbv 98
9) Propene	2.99	41	720279	8.664	ppbv 100
10) Heptane	8.09	43	1815269	8.761	ppbv 100
11) Trichlorofluoromethane	3.92	101	1971082	9.905	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1389944	9.806	ppbv 98
13) Ethanol	3.59	45	38761	3.494	ppbv # 34
14) Bromoethene	3.71	108	598838	9.592	ppbv 98
15) Acetone	3.83	43	1017275	7.837	ppbv 97
16) 1,3-Butadiene	3.30	39	773678	9.594	ppbv 98
17) tert-Butyl alcohol	4.27	59	943855	7.938	ppbv 98
18) 1,1-Dichloroethene	4.26	96	632714	9.653	ppbv 96
19) Isopropyl Alcohol	3.94	45	576161	8.257	ppbv # 35
20) Methylene Chloride	4.31	84	529801	7.614	ppbv 98
21) Allyl Chloride	4.38	41	910889	9.302	ppbv 98
22) trans-1,2-Dichloroethene	4.85	96	627901	9.996	ppbv 97
23) Vinyl Acetate	5.04	43	1864457	9.049	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1385373	9.342	ppbv 100
25) Ethyl Acetate	5.65	43	2806162	8.996	ppbv 99
26) Hexane	5.65	57	1369803	8.596	ppbv 99
27) Carbon Disulfide	4.52	76	1443462	8.988	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1662616	8.705	ppbv 100
29) Chloroform	5.72	83	2098099	9.320	ppbv 98
30) Cyclohexane	7.09	84	1201836	8.875	ppbv 99
31) cis-1,2-Dichloroethene	5.52	61	1357937	9.505	ppbv 98
32) 1,1,1-Trichloroethane	6.48	97	2126045	8.795	ppbv 98
34) 2-Butanone	5.21	43	1295313	9.462	ppbv 100
35) Carbon Tetrachloride	6.99	117	2207425	8.837	ppbv 99
36) Benzene	6.86	78	2839442	8.769	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1541249	9.600	ppbv 99
38) Trichloroethene	7.80	130	1159074	8.367	ppbv 98
39) 1,2-Dichloropropane	7.58	63	1093718	8.768	ppbv 98
40) 1,4-Dioxane	7.80	88	226803	7.700	ppbv # 100
41) Tetrahydrofuran	6.02	42	648311	8.315	ppbv 96
42) Bromodichloromethane	7.76	83	2246394	9.249	ppbv 100
43) Methyl Methacrylate	7.98	69	1024829	9.182	ppbv 99

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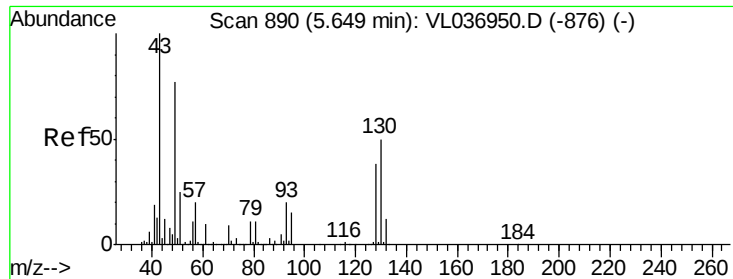
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4712360	8.482	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	781314	9.163	ppbv	99
46) cis-1,3-Dichloropropene	8.66	75	1016671	8.864	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1178468	9.026	ppbv	97
48) Dibromochloromethane	10.27	129	2033834	9.621	ppbv	99
49) Bromoform	13.00	173	1691686	9.690	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2048143	9.067	ppbv	99
51) 2-Hexanone	10.10	43	1116575	9.350	ppbv #	96
52) Tetrachloroethene	11.19	164	1137105	8.831	ppbv	98
53) Toluene	9.77	91	3395208	8.812	ppbv	98
54) 1,2-Dibromoethane	10.57	107	1736674	9.356	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	1380374	7.652	ppbv #	55
57) Chlorobenzene	12.11	112	2533780	7.622	ppbv	99
58) Ethyl Benzene	12.67	91	4505950	7.446	ppbv	99
59) m/p-Xylene	12.96	91	4517032	9.031	ppbv #	56
60) o-Xylene	13.65	91	3551646	7.445	ppbv	99
61) Styrene	13.49	104	2125668	7.909	ppbv	99
62) Isopropylbenzene	14.63	105	5052684	7.370	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2426962	6.812	ppbv	99
64) n-propylbenzene	15.52	120	1375482	7.776	ppbv	98
65) tert-Butylbenzene	16.71	119	4609194	7.450	ppbv	99
66) Benzyl Chloride	16.95	91	167588	4.882	ppbv	97
67) sec-Butylbenzene	17.26	105	6266050	7.425	ppbv	100
69) p-Isopropyltoluene	17.62	119	5487183	7.562	ppbv	99
70) n-Butylbenzene	18.51	91	5374289	7.796	ppbv	99
71) 2-Chlorotoluene	15.41	91	3731728	7.536	ppbv	99
72) 4-Ethyltoluene	15.80	105	4458878	7.875	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	4075191	7.664	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	4211919	7.661	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	2581898	7.691	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2558255	7.537	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	2563389	7.621	ppbv	100
78) Hexachloro-1,3-Butadiene	23.34	225	1843270	6.815	ppbv	100
79) Naphthalene	22.15	128	3719639	8.623	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	806751	8.601	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	2110296	8.025	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

[illegible]



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

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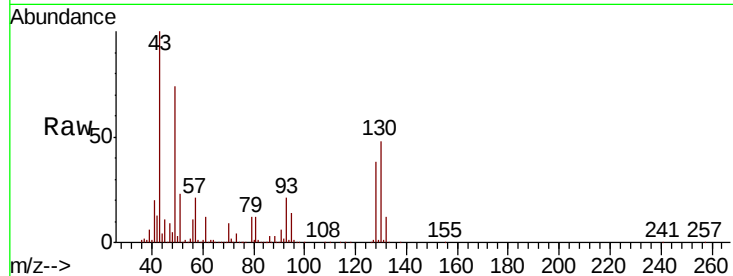
Tot Ion: 49 Resp: 1267302

Ion Ratio Lower Upper

49 100

128 56.7 26.9 80.7

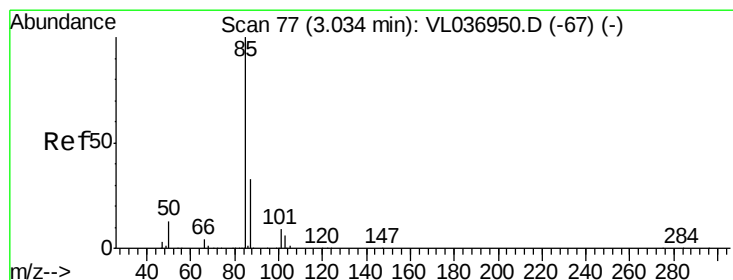
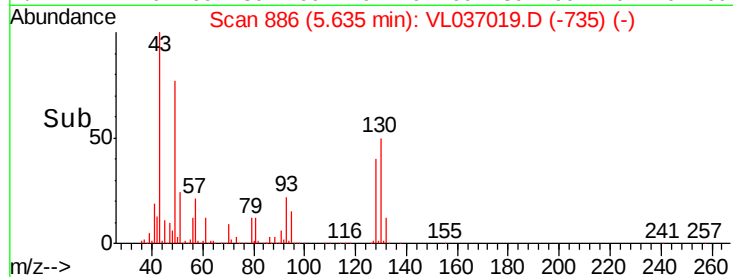
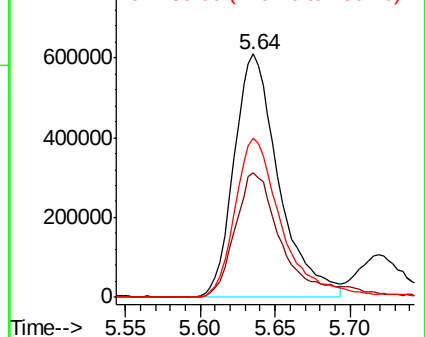
130 69.8 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.503 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL037019.D

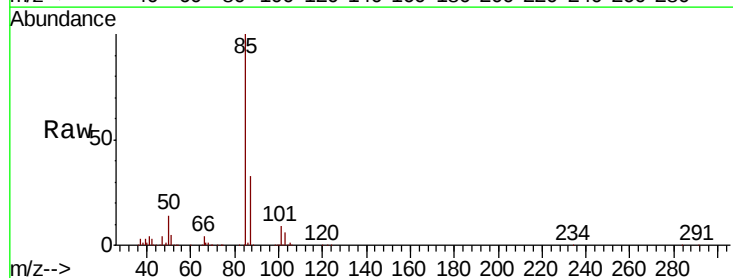
Acq: 20 May 2021 9:26

Tgt Ion: 85 Resp: 1828142

Ion Ratio Lower Upper

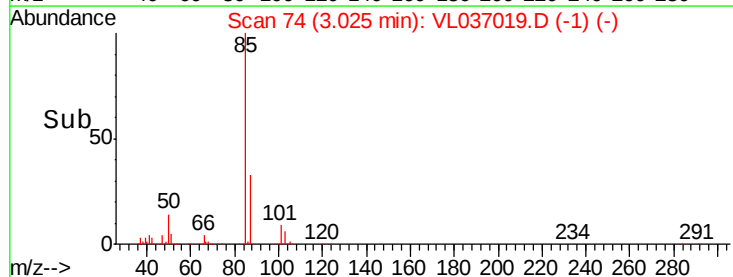
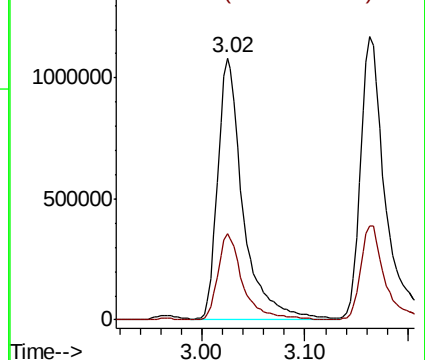
85 100

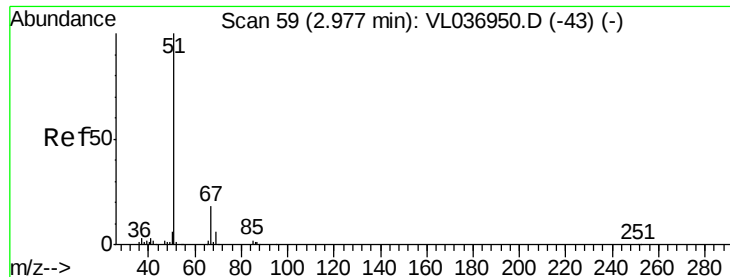
87 32.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.090 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

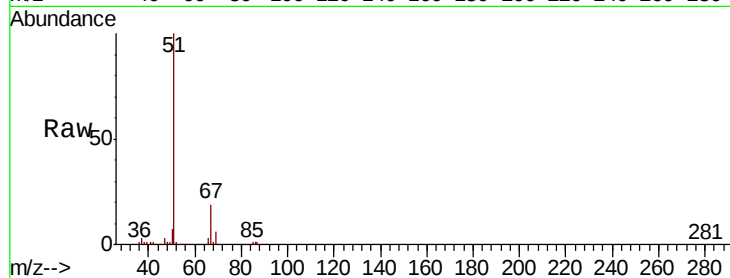
VSTDCCC010

Tot Ion: 51 Resp: 2110435

Ion Ratio Lower Upper

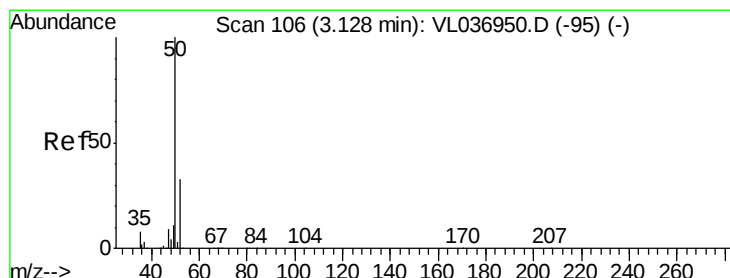
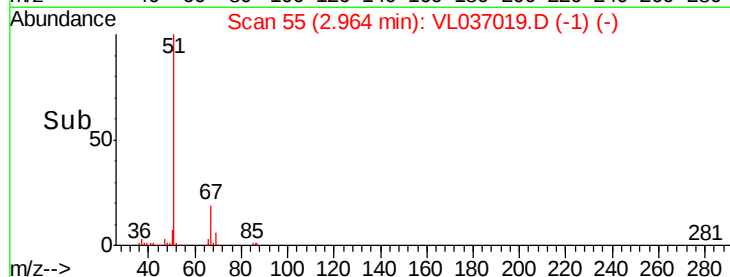
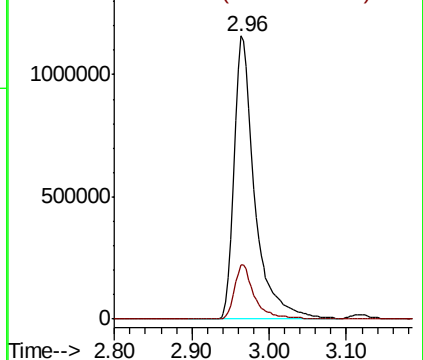
51 100

67 18.9 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.141 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037019.D

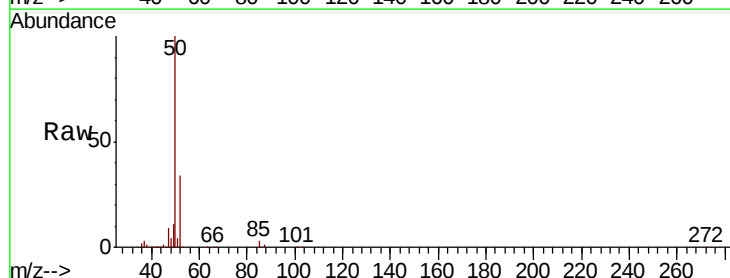
Acq: 20 May 2021 9:26

Tgt Ion: 50 Resp: 722150

Ion Ratio Lower Upper

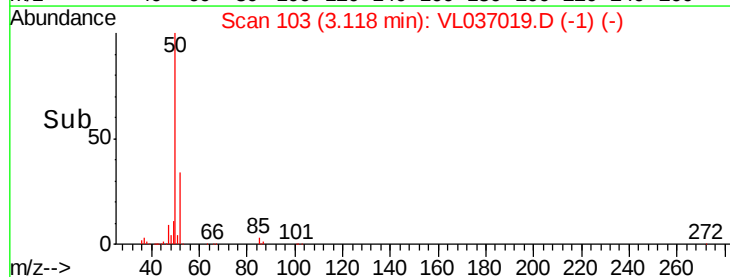
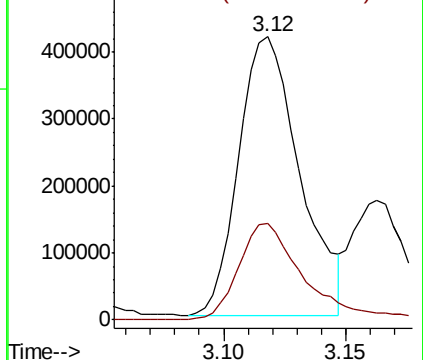
50 100

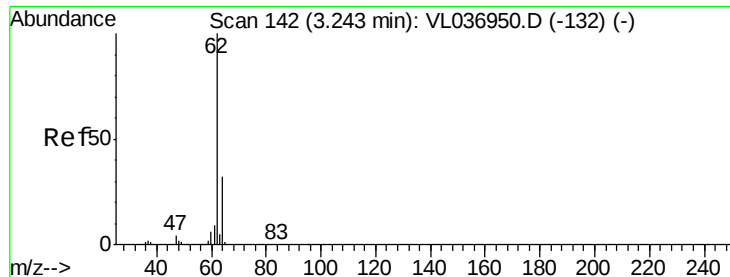
52 34.4 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.173 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

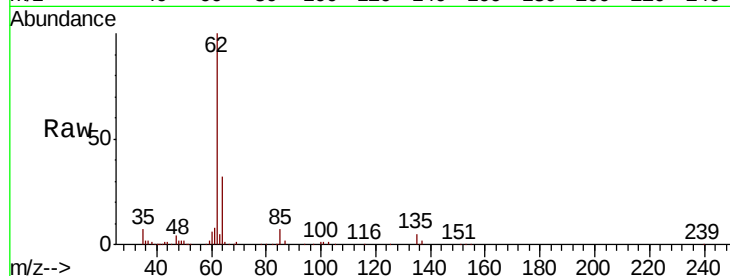
VSTDCCC010

Tot Ion: 62 Resp: 792153

Ion Ratio Lower Upper

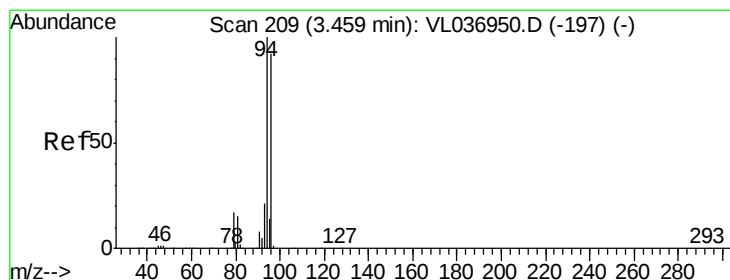
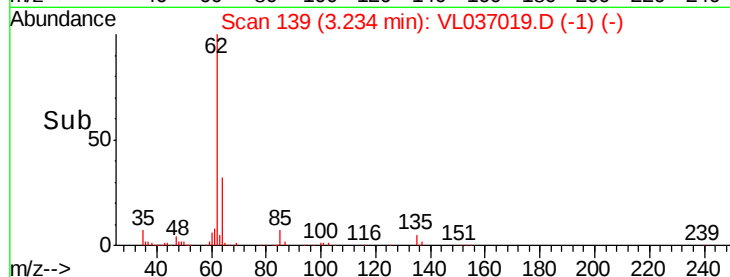
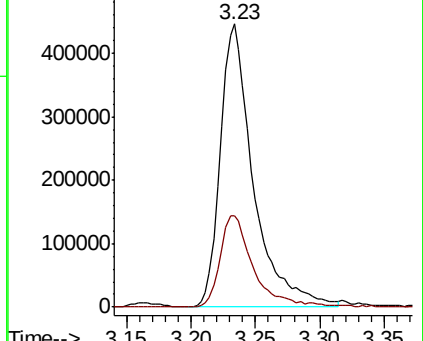
62 100

64 32.5 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.639 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL037019.D

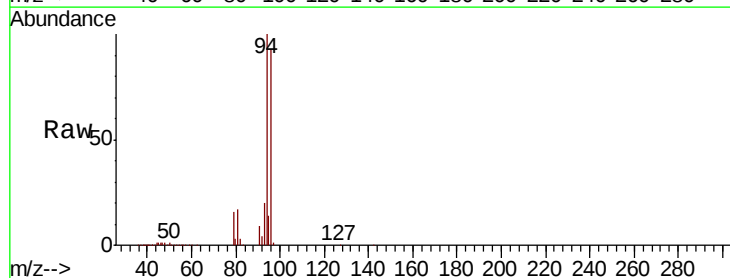
Acq: 20 May 2021 9:26

Tgt Ion: 94 Resp: 438645

Ion Ratio Lower Upper

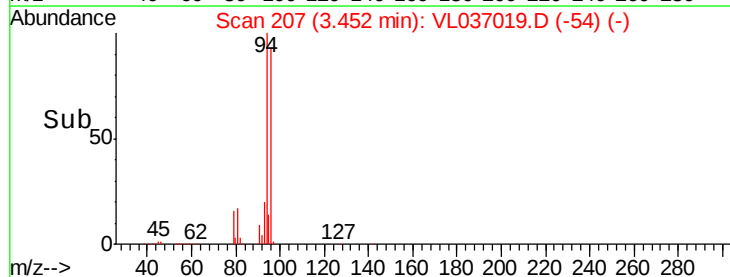
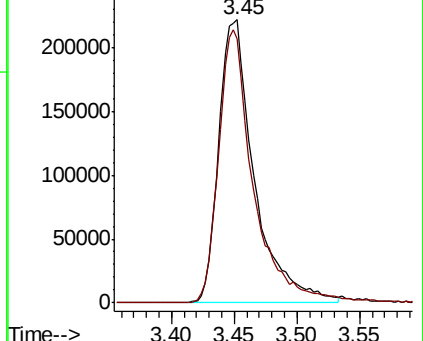
94 100

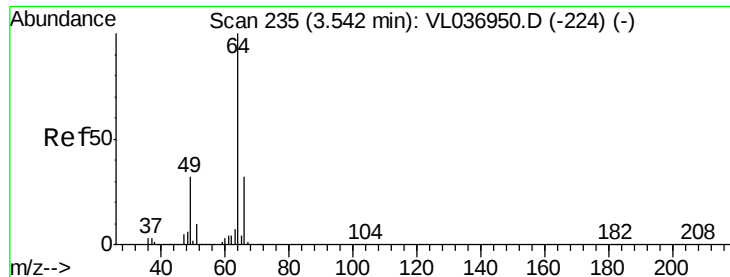
96 93.2 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.083 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

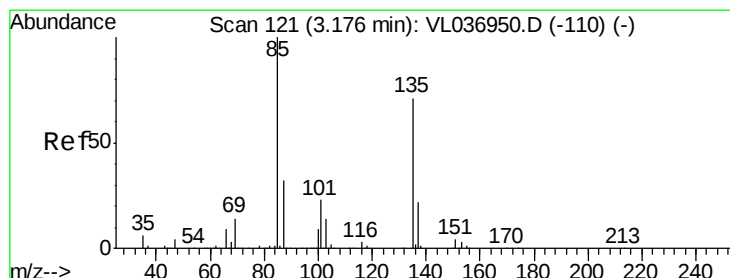
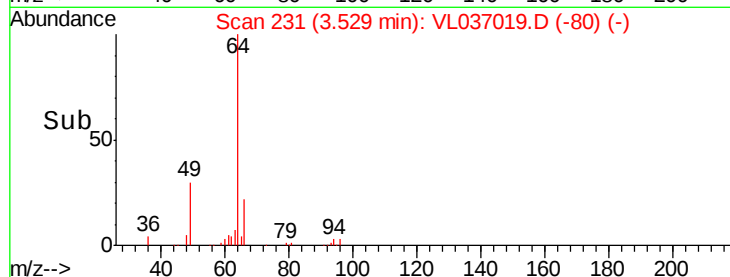
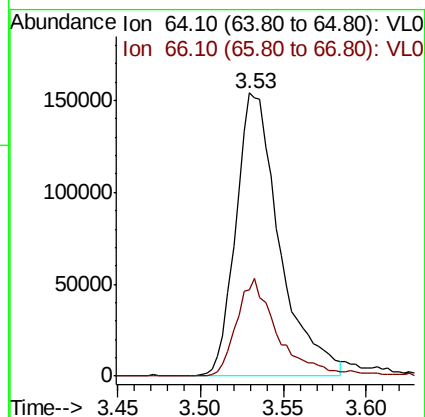
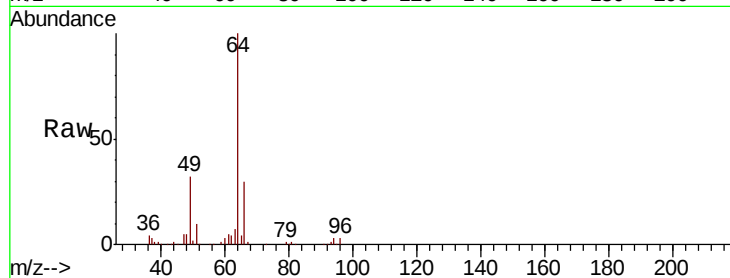
VSTDCCC010

Tot Ion: 64 Resp: 282731

Ion Ratio Lower Upper

64 100

66 30.3 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.559 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL037019.D

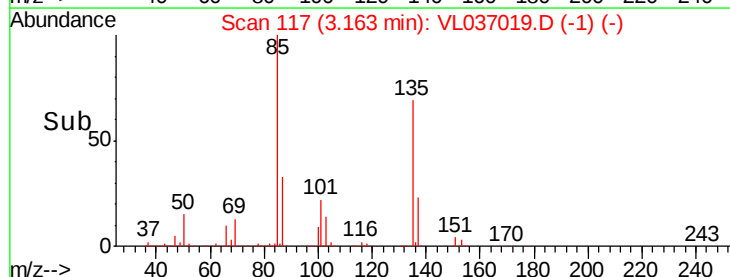
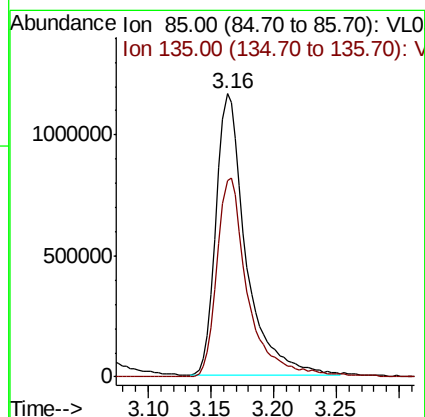
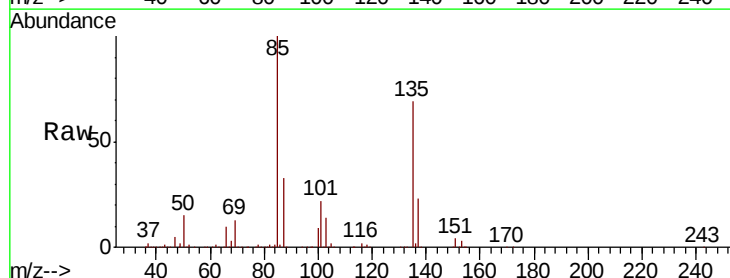
Acq: 20 May 2021 9:26

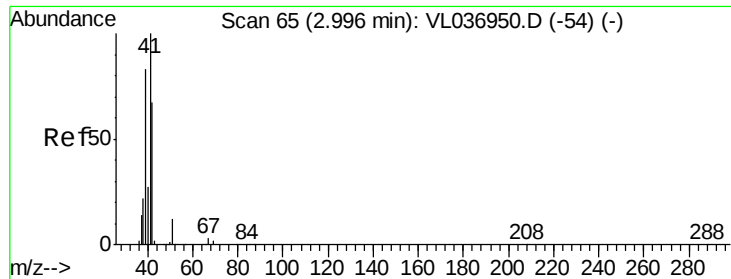
Tgt Ion: 85 Resp: 1929607

Ion Ratio Lower Upper

85 100

135 74.1 57.7 86.5





#9

Propene

Concen: 8.664 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

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ClientSampleId :

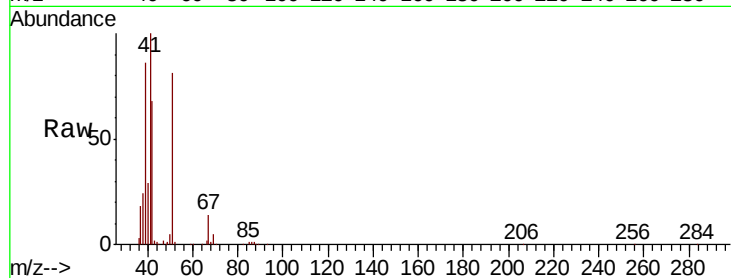
VSTDCCC010

Tot Ion: 41 Resp: 720279

Ion Ratio Lower Upper

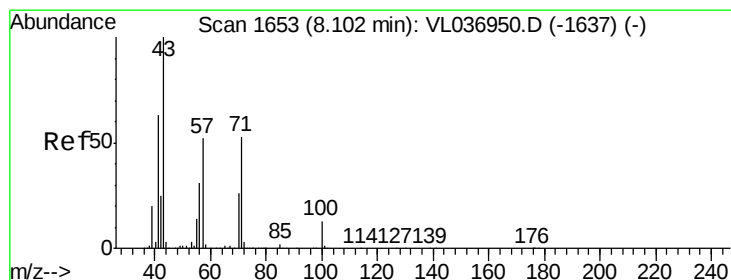
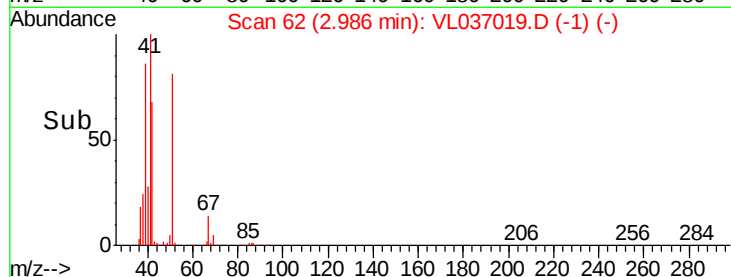
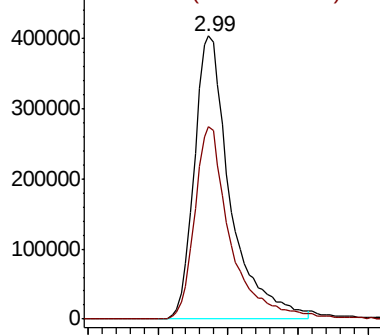
41 100

42 67.7 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.761 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL037019.D

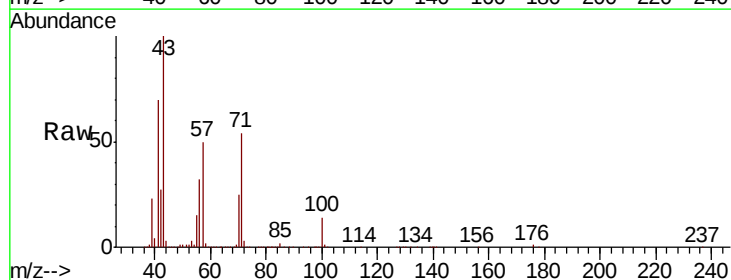
Acq: 20 May 2021 9:26

Tgt Ion: 43 Resp: 1815269

Ion Ratio Lower Upper

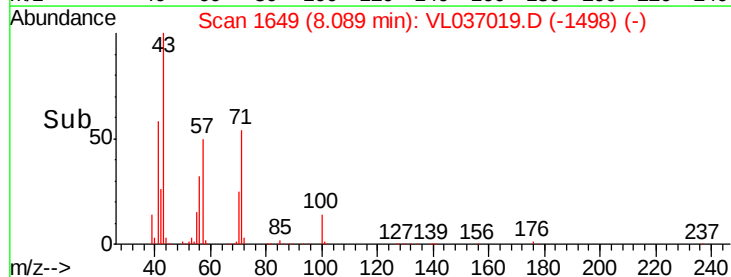
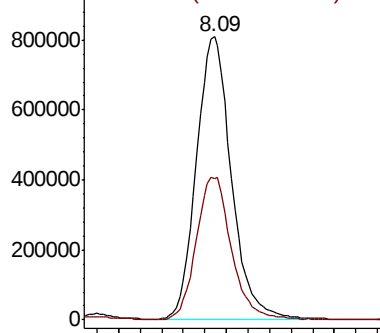
43 100

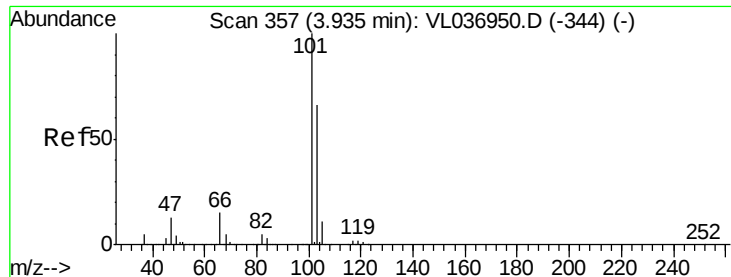
57 51.3 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

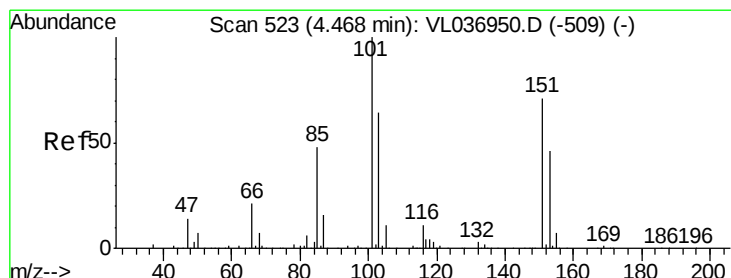
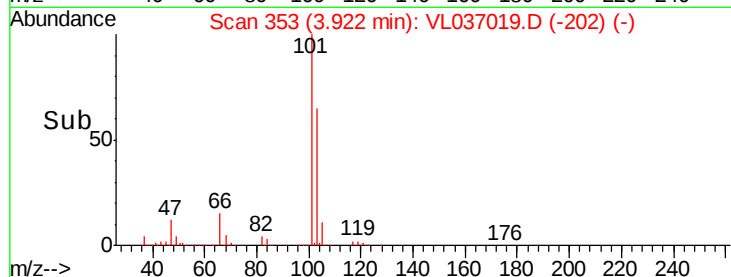
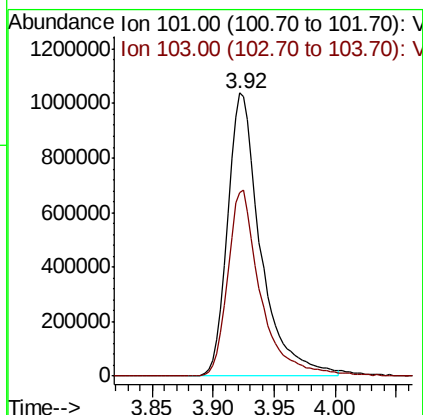
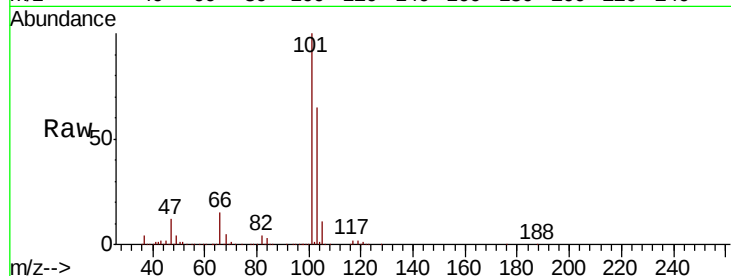




#11
 Trichlorofluoromethane
 Concen: 9.905 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

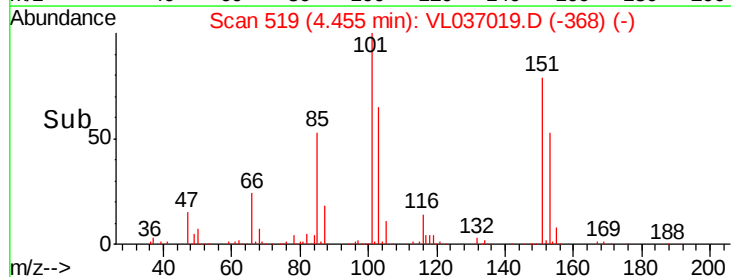
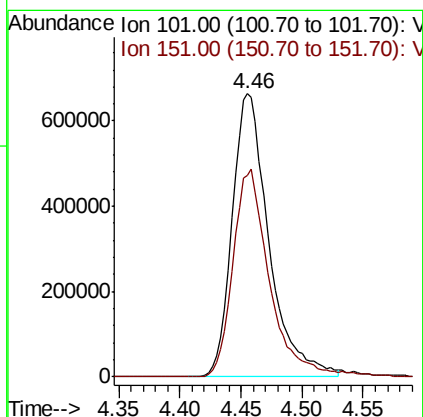
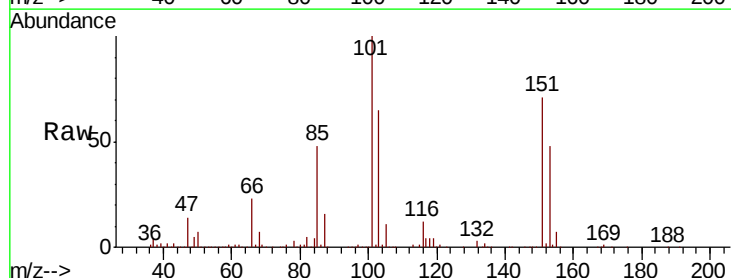
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

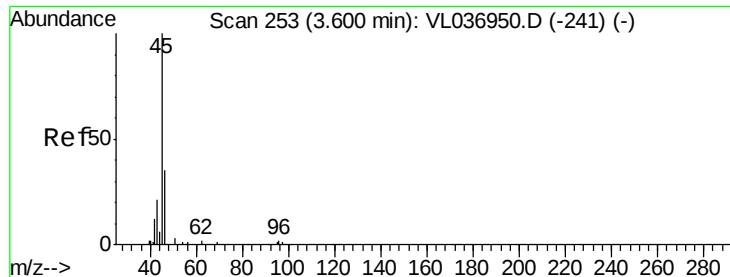
Tot Ion:101 Resp: 1971082
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.806 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion:101 Resp: 1389944
 Ion Ratio Lower Upper
 101 100
 151 73.6 57.7 86.5





#13

Ethanol

Concen: 3.494 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

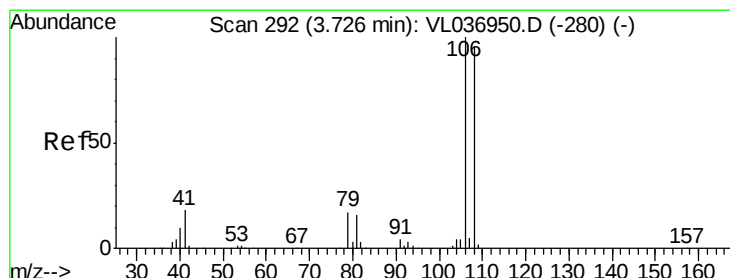
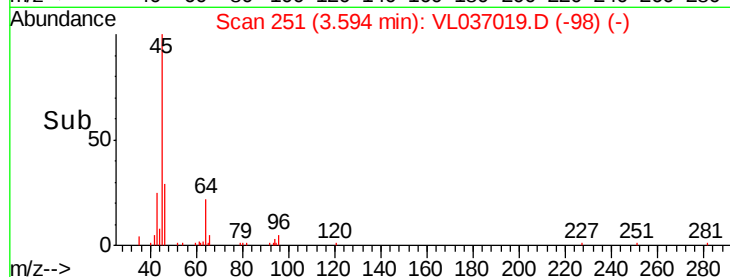
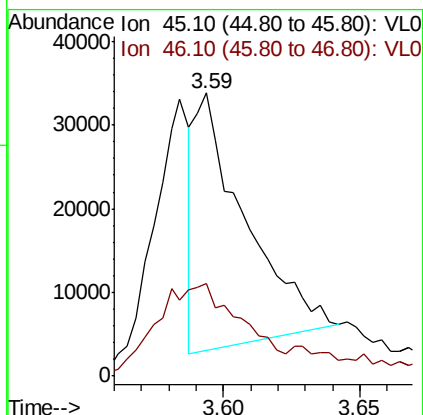
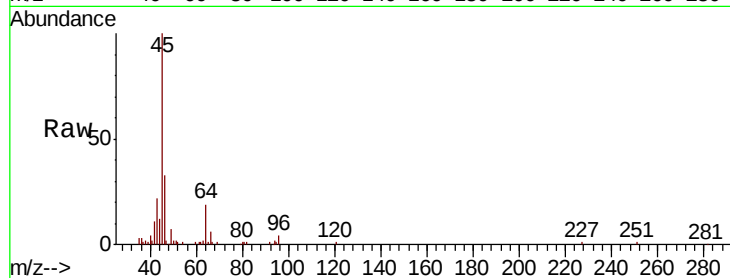
VSTDCCC010

Tot Ion: 45 Resp: 38761

Ion Ratio Lower Upper

45 100

46 82.2 16.3 65.3#



#14

Bromoethene

Concen: 9.592 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

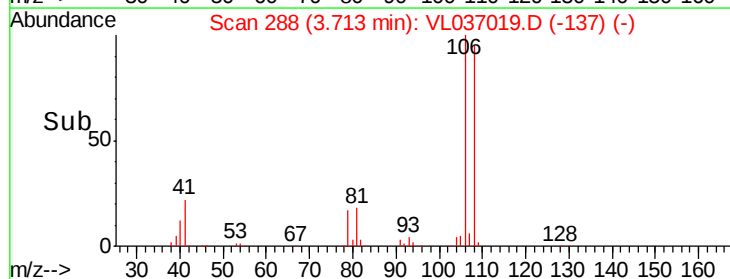
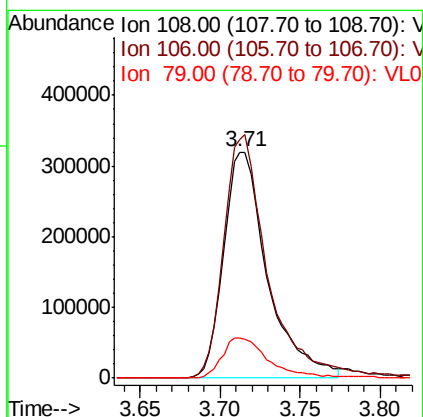
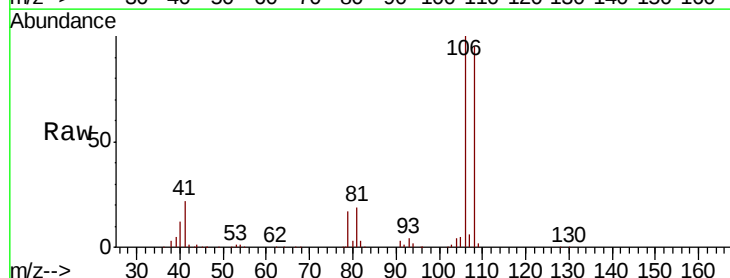
Tgt Ion: 108 Resp: 598838

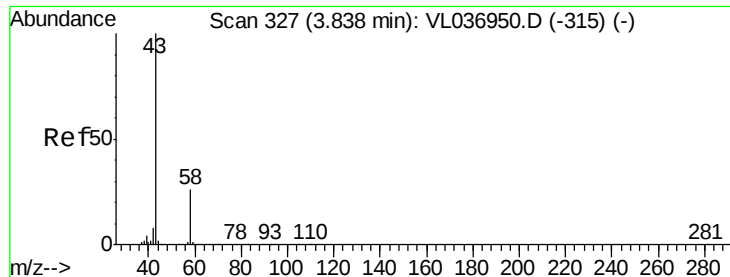
Ion Ratio Lower Upper

108 100

106 110.0 86.5 129.7

79 19.5 15.0 22.4





#15

Acetone

Concen: 7.837 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

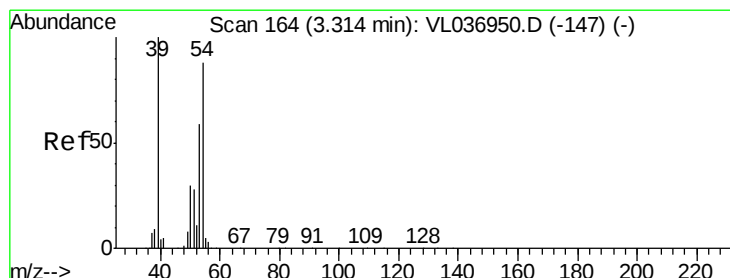
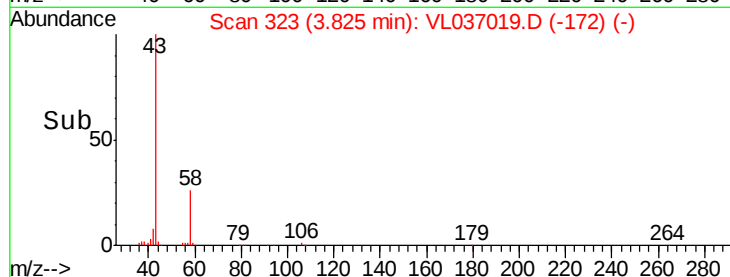
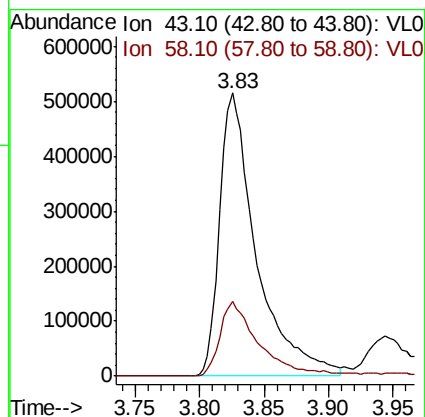
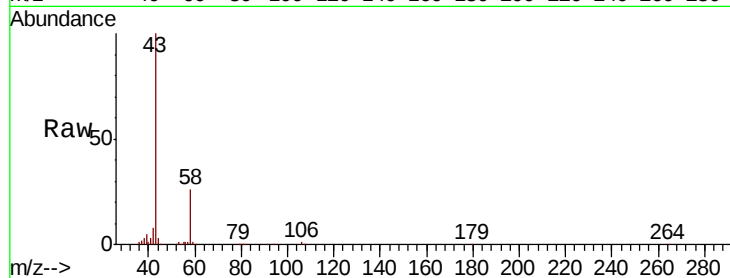
VSTDCCC010

Tot Ion: 43 Resp: 1017275

Ion Ratio Lower Upper

43 100

58 28.3 24.0 36.0



#16

1,3-Butadiene

Concen: 9.594 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.01 min

Lab File: VL037019.D

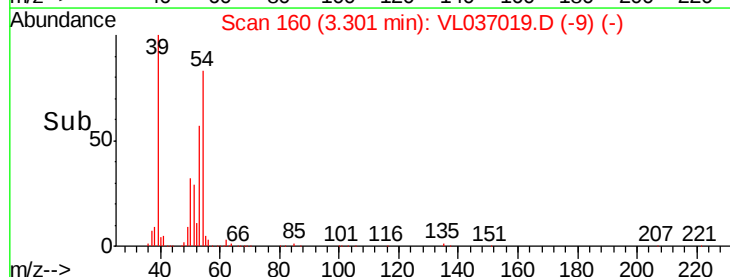
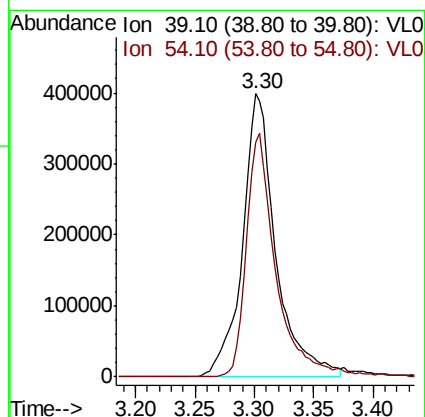
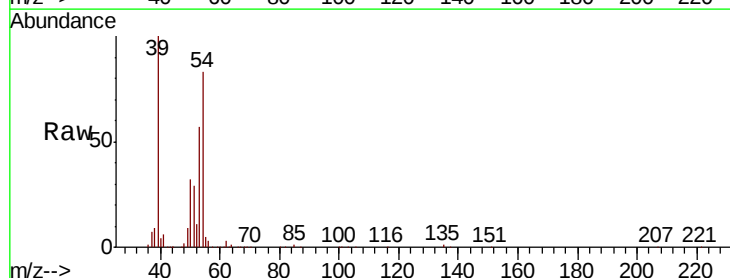
Acq: 20 May 2021 9:26

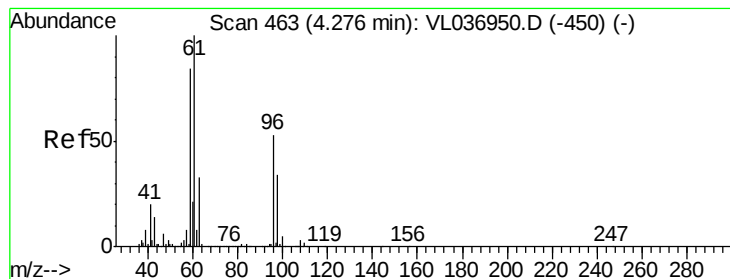
Tgt Ion: 39 Resp: 773678

Ion Ratio Lower Upper

39 100

54 77.6 63.2 94.8





#17

tert-Butyl alcohol

Concen: 7.938 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

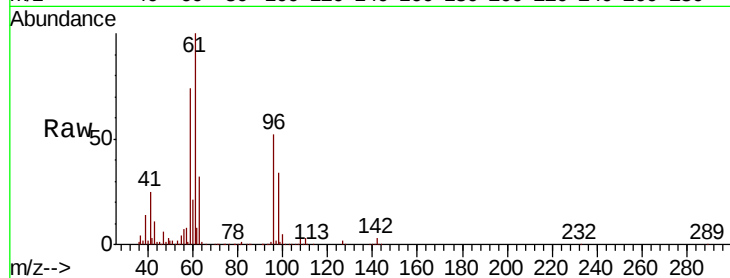
VSTDCCC010

Tot Ion: 59 Resp: 943855

Ion Ratio Lower Upper

59 100

57 11.2 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

400000

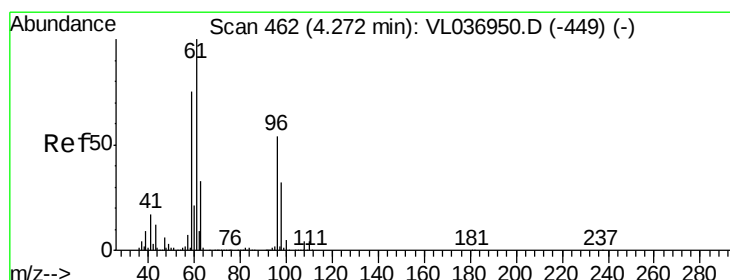
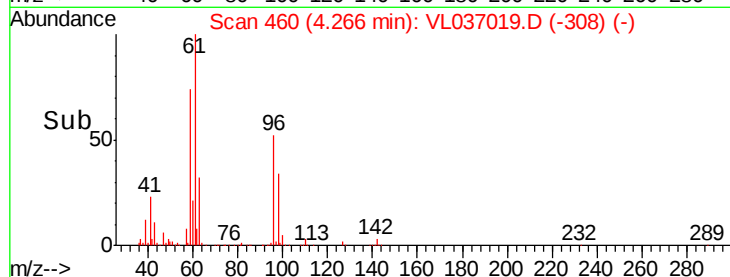
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.653 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

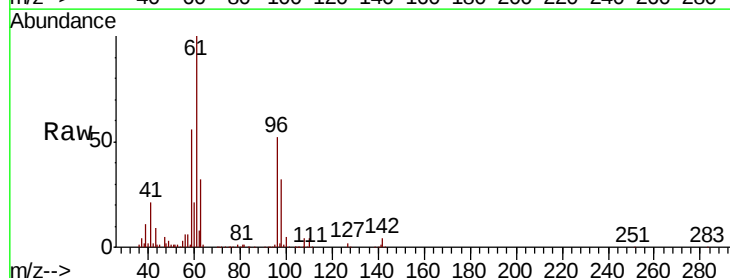
Tgt Ion: 96 Resp: 632714

Ion Ratio Lower Upper

96 100

61 192.0 148.2 222.4

98 61.4 47.8 71.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

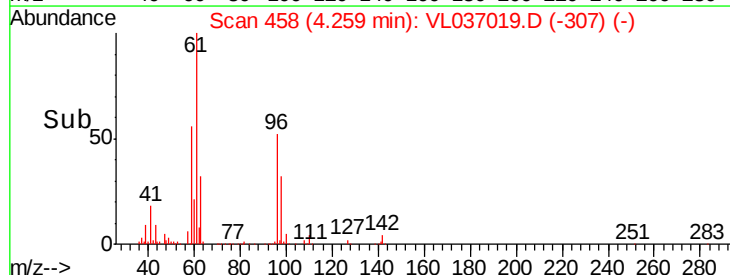
600000

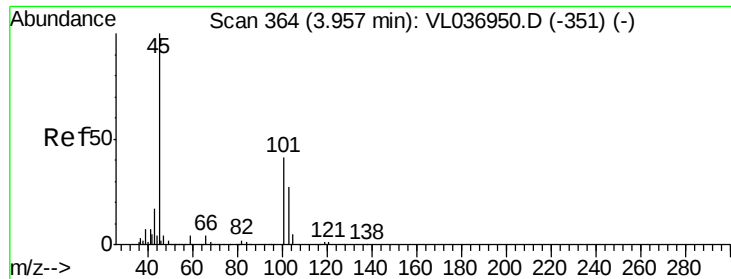
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.257 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

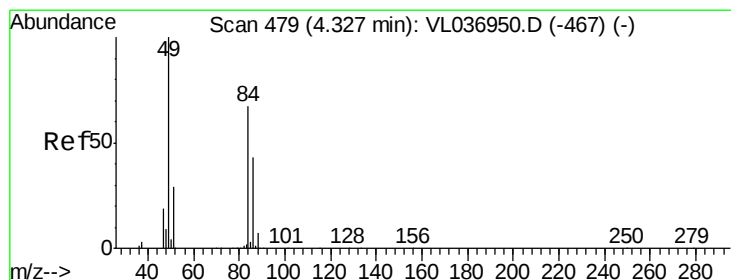
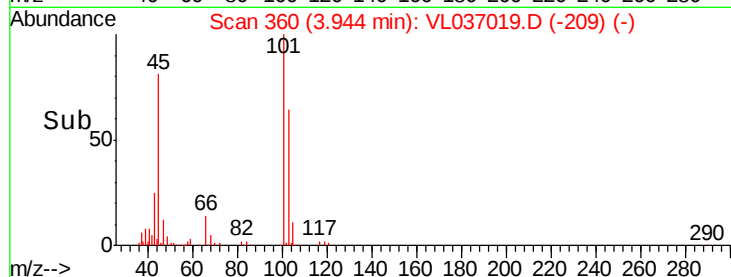
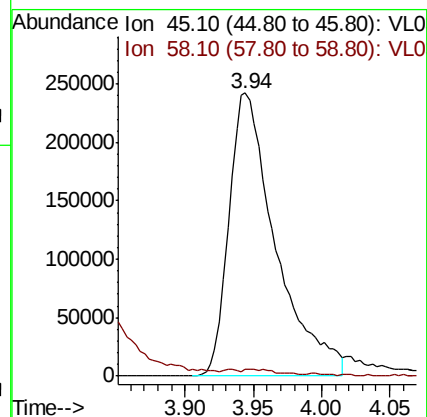
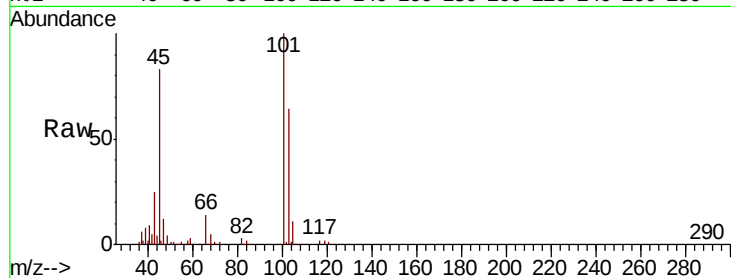
VSTDCCC010

Tot Ion: 45 Resp: 576161

Ion Ratio Lower Upper

45 100

58 3.3 37.2 55.8#



#20

Methylene Chloride

Concen: 7.614 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Tgt Ion: 84 Resp: 529801

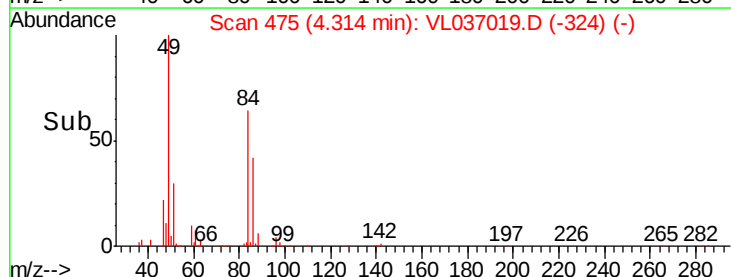
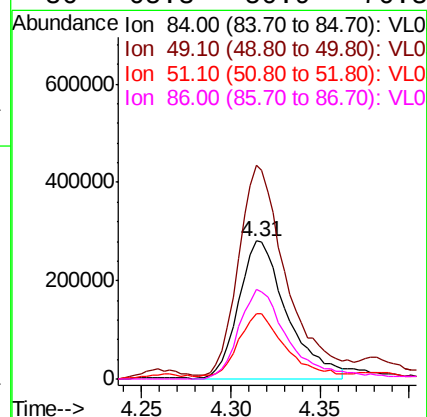
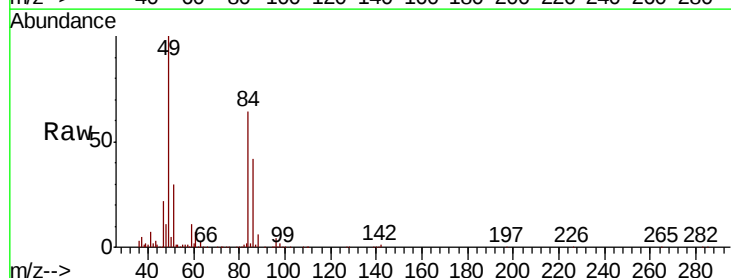
Ion Ratio Lower Upper

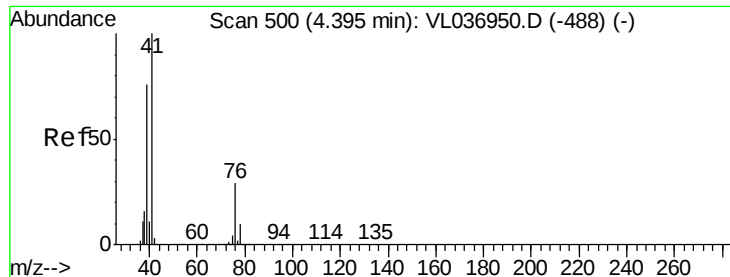
84 100

49 152.4 119.8 179.6

51 45.2 35.1 52.7

86 65.3 50.9 76.3





#21

Allvl Chloride

Concen: 9.302 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

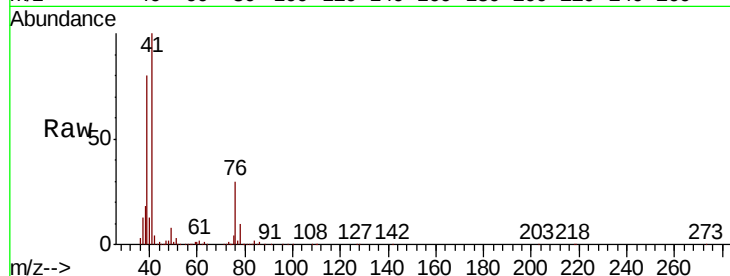
Tot Ion: 41 Resp: 910889

Ion Ratio Lower Upper

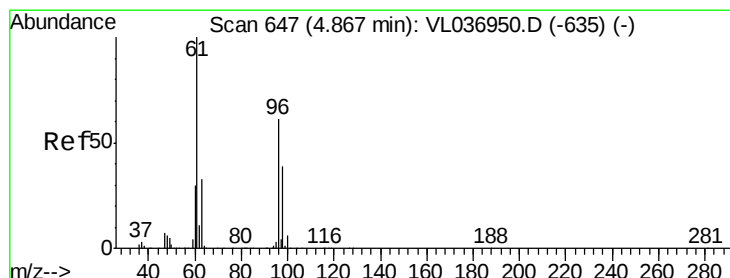
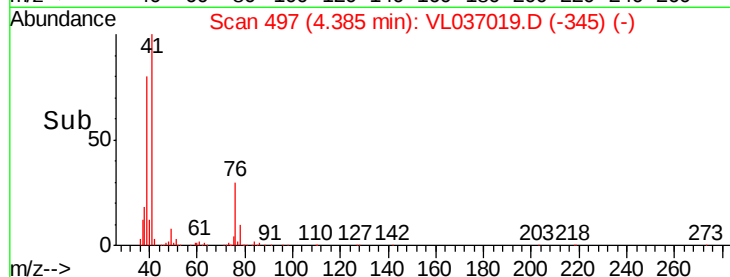
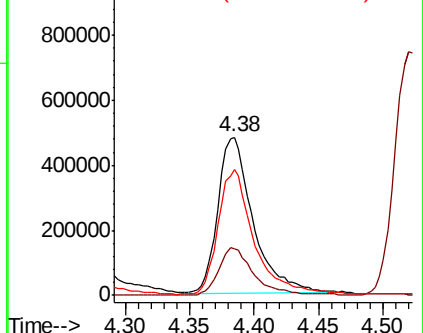
41 100

76 30.6 24.9 37.3

39 81.7 63.7 95.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.996 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

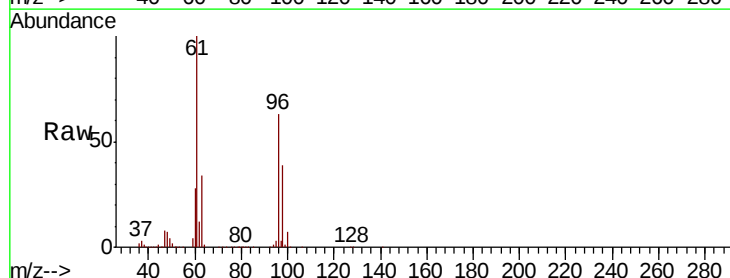
Tgt Ion: 96 Resp: 627901

Ion Ratio Lower Upper

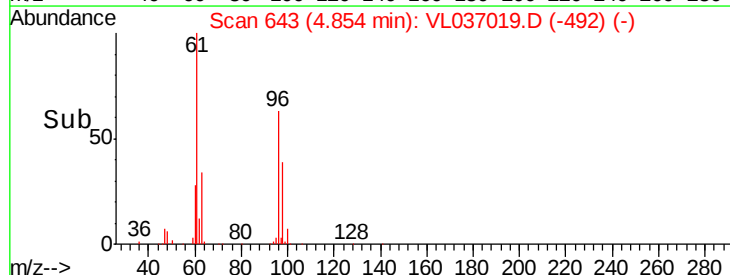
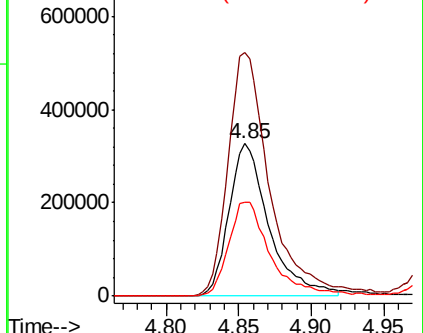
96 100

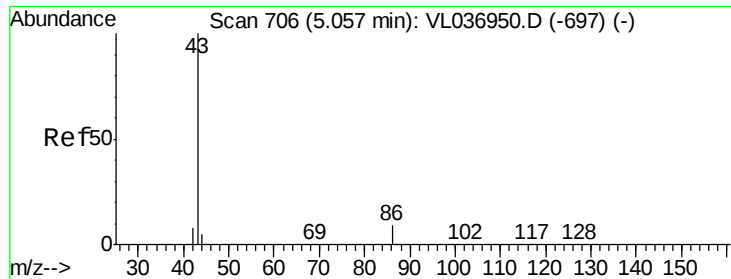
61 159.8 130.6 196.0

98 61.7 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.049 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1864457

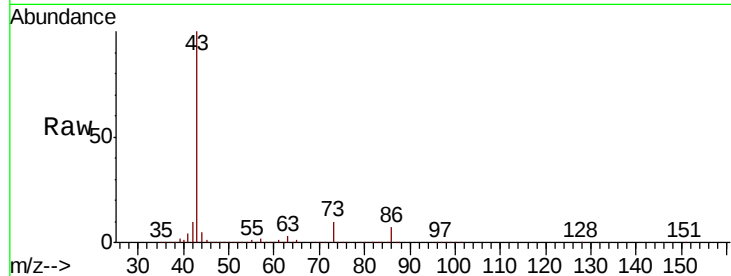
Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

42 10.0 7.4 11.2

44 4.7 3.3 4.9

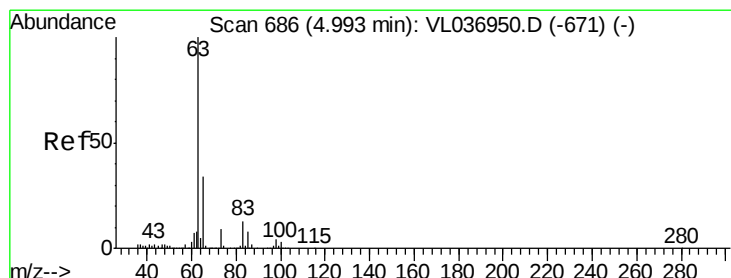
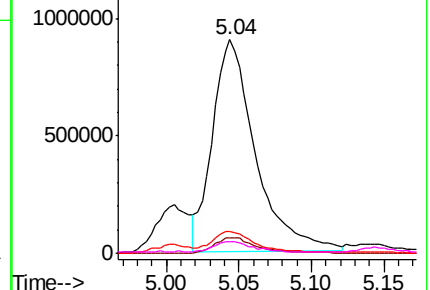
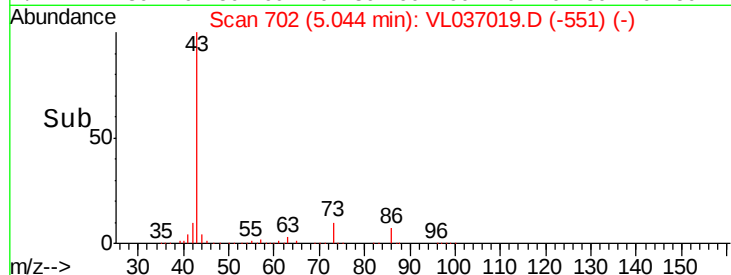


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.342 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

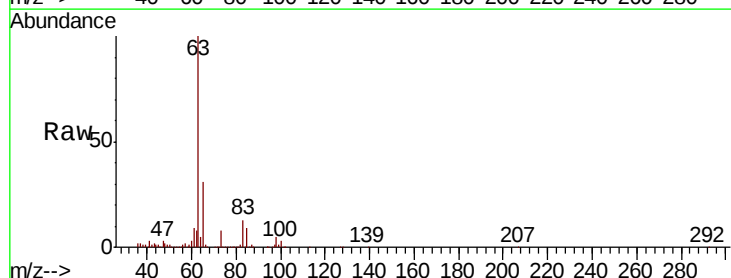
Tgt Ion: 63 Resp: 1385373

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

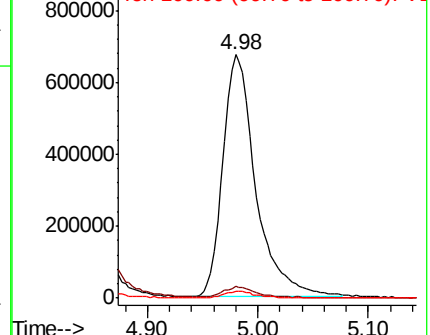
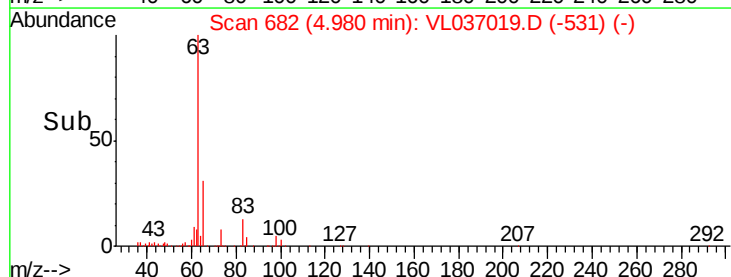
100 2.9 1.4 4.0

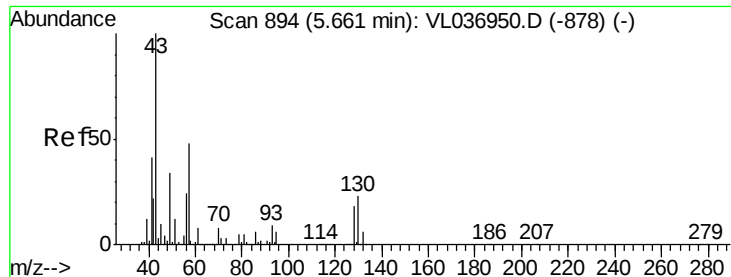


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

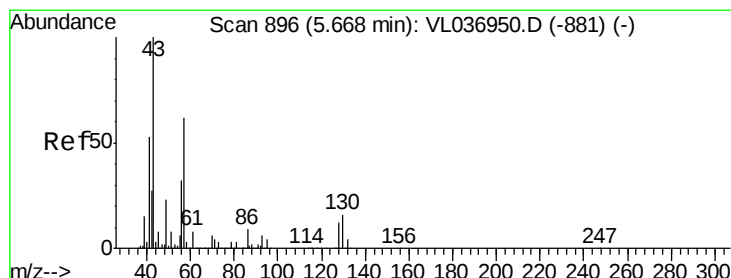
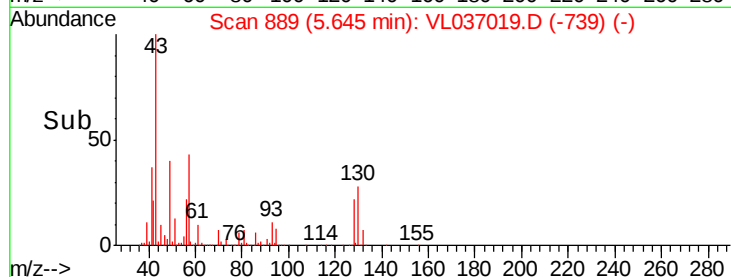
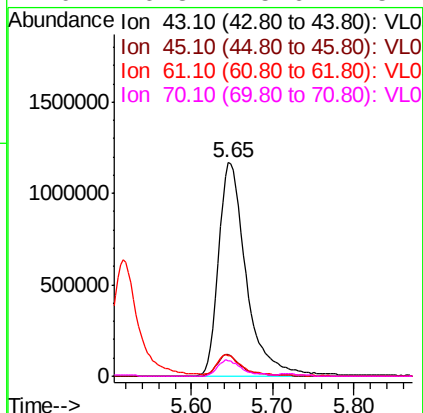
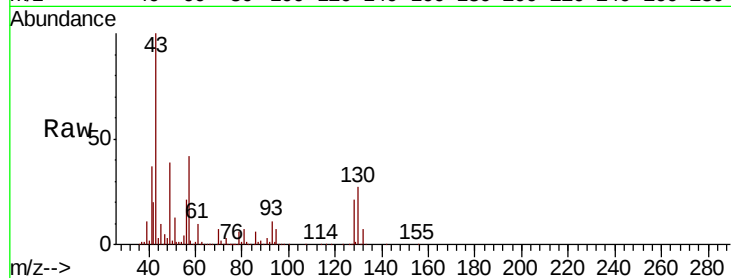




#25
Ethyl Acetate
Concen: 8.996 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

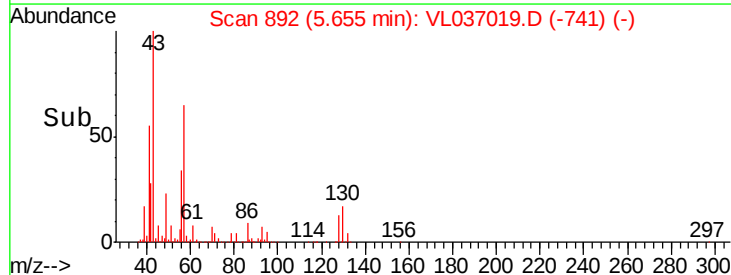
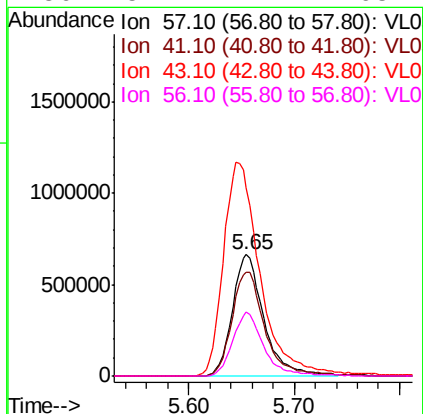
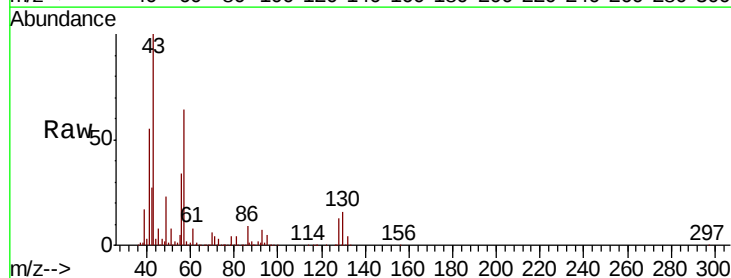
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

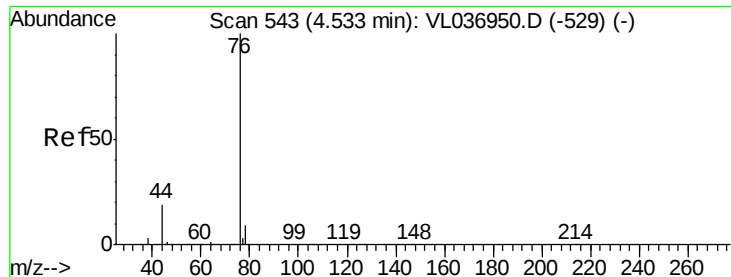
Tot Ion:	43	Resp:	2806162
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.8
61	9.5	7.8	11.8
70	6.8	5.6	8.4



#26
Hexane
Concen: 8.596 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion:	57	Resp:	1369803
Ion	Ratio	Lower	Upper
57	100		
41	90.3	70.5	105.7
43	206.7	165.8	248.8
56	52.2	42.2	63.4





#27

Carbon Disulfide

Concen: 8.988 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

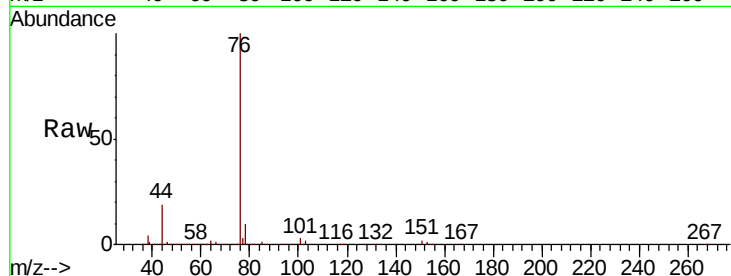
Tot Ion: 76 Resp: 1443462

Ion Ratio Lower Upper

76 100

44 19.5 15.5 23.3

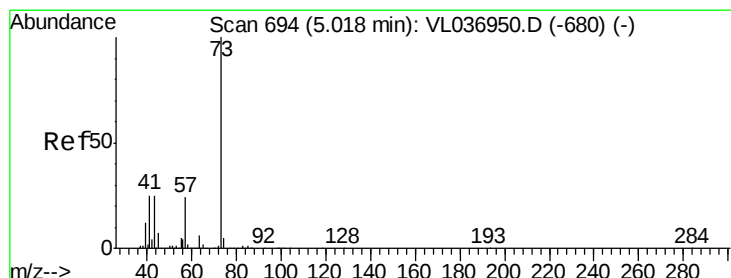
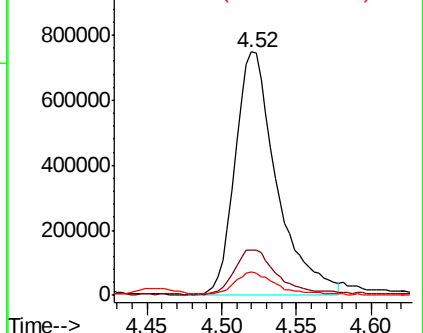
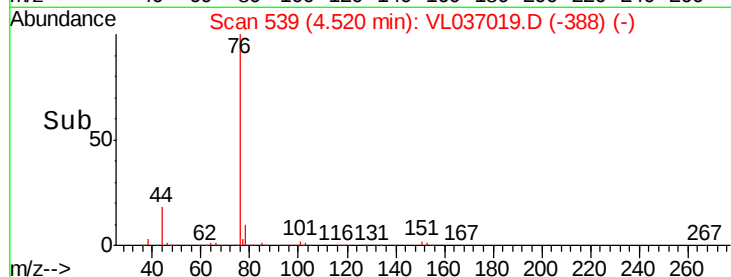
78 10.1 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.705 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037019.D

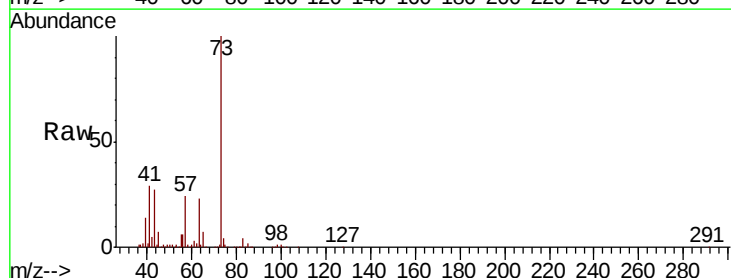
Acq: 20 May 2021 9:26

Tgt Ion: 73 Resp: 1662616

Ion Ratio Lower Upper

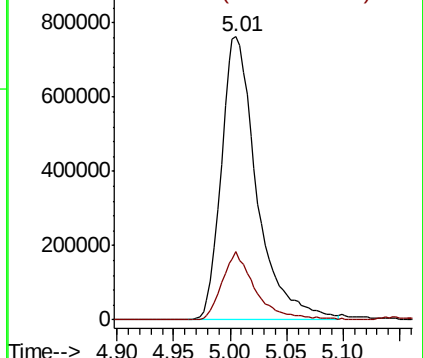
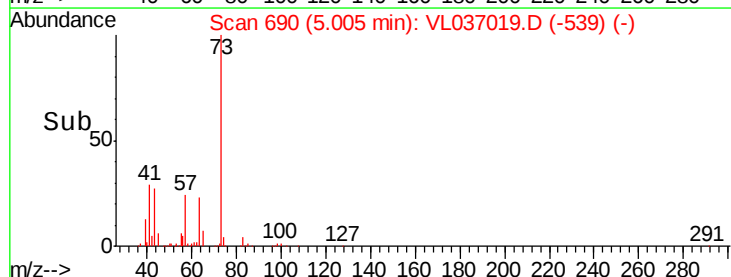
73 100

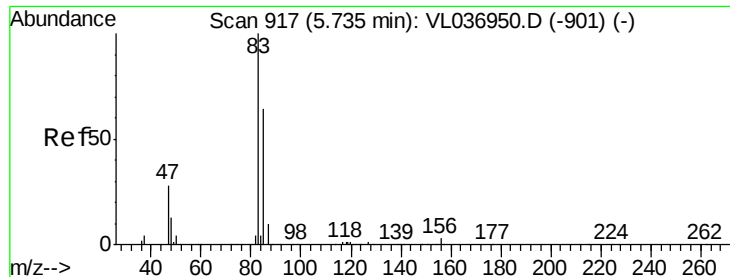
57 22.7 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.320 ppbv

RT: 5.72 min Scan# 912

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

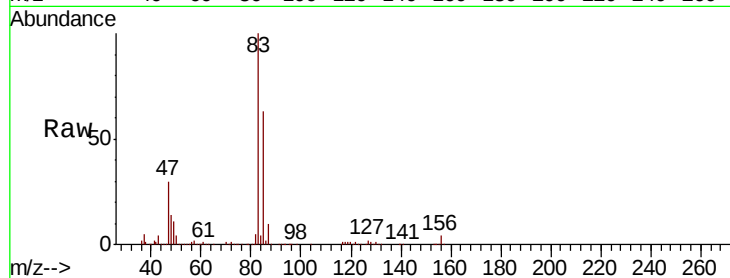
VSTDCCC010

Tot Ion: 83 Resp: 2098099

Ion Ratio Lower Upper

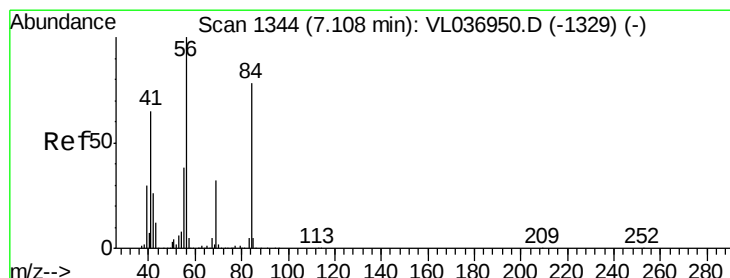
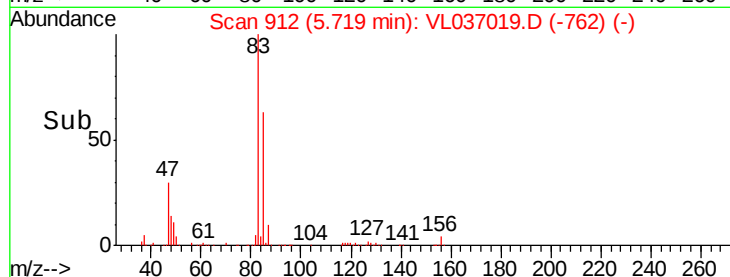
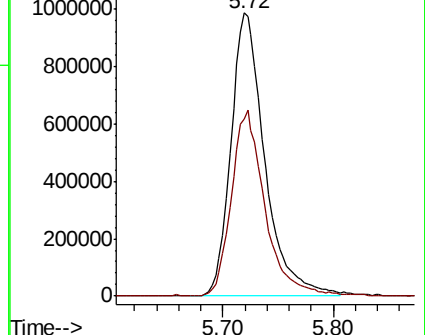
83 100

85 62.6 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 8.875 ppbv

RT: 7.09 min Scan# 1339

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

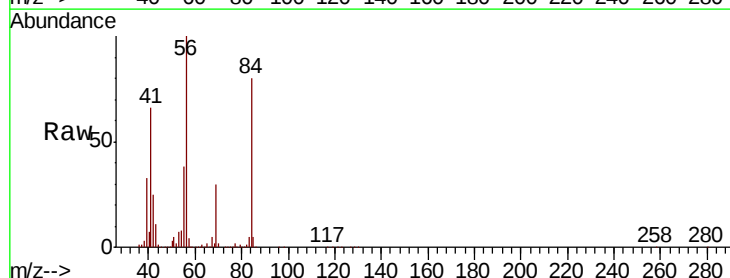
Tgt Ion: 84 Resp: 1201836

Ion Ratio Lower Upper

84 100

56 134.7 107.9 161.9

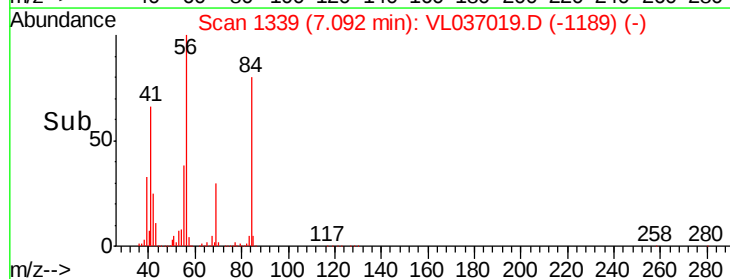
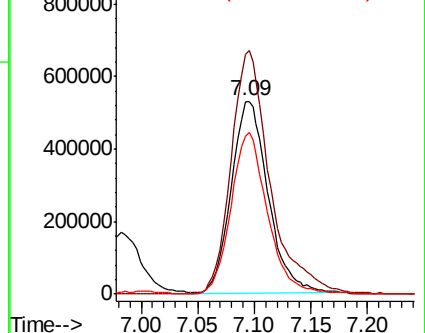
41 83.0 65.5 98.3

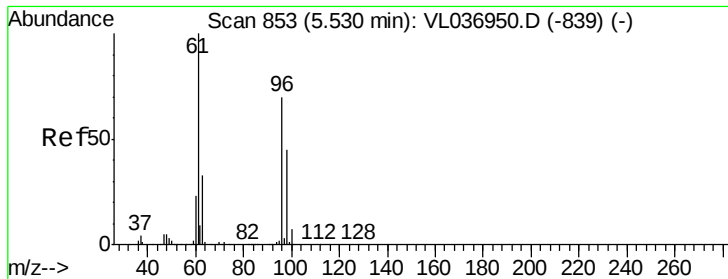


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 9.505 ppbv

RT: 5.52 min Scan# 849

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

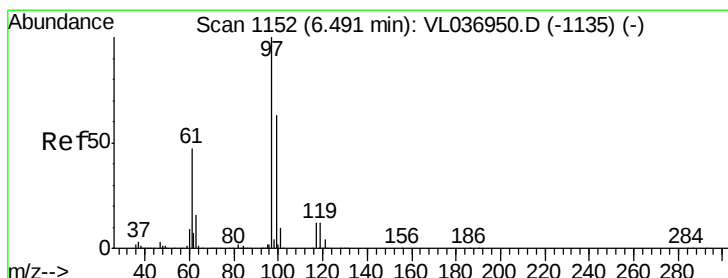
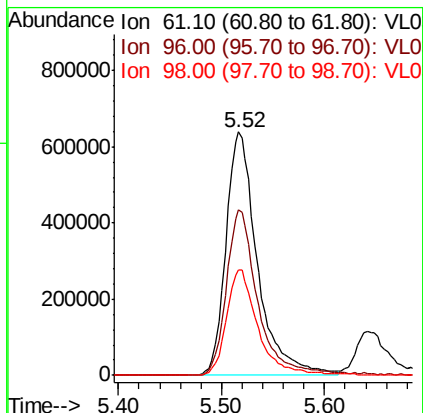
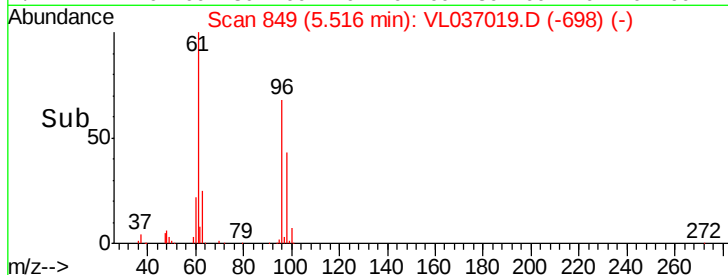
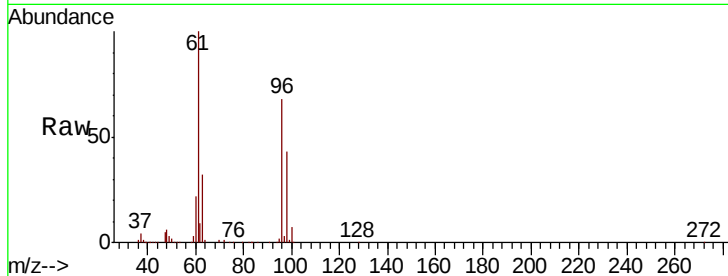
Tot Ion: 61 Resp: 1357937

Ion Ratio Lower Upper

61 100

96 67.9 55.9 83.9

98 43.2 35.6 53.4



#32

1,1,1-Trichloroethane

Concen: 8.795 ppbv

RT: 6.48 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

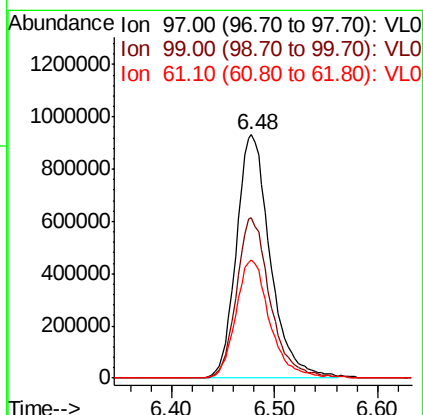
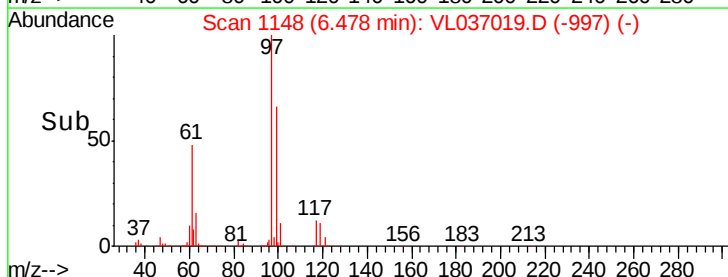
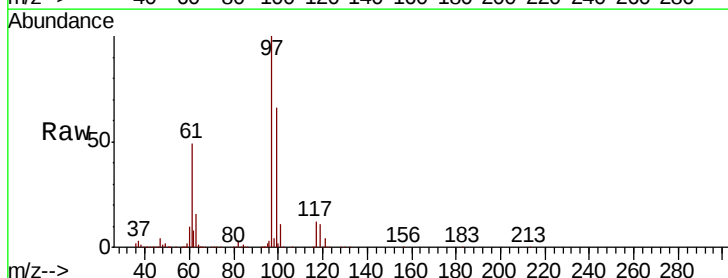
Tgt Ion: 97 Resp: 2126045

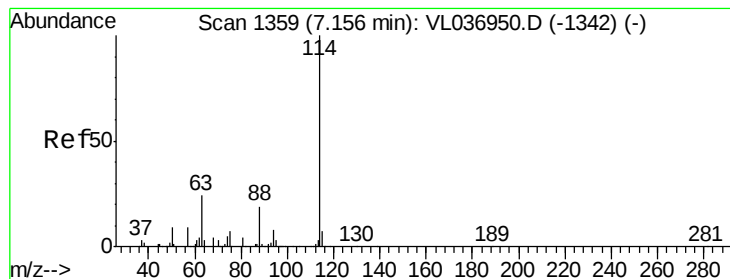
Ion Ratio Lower Upper

97 100

99 65.8 51.9 77.9

61 48.8 37.6 56.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

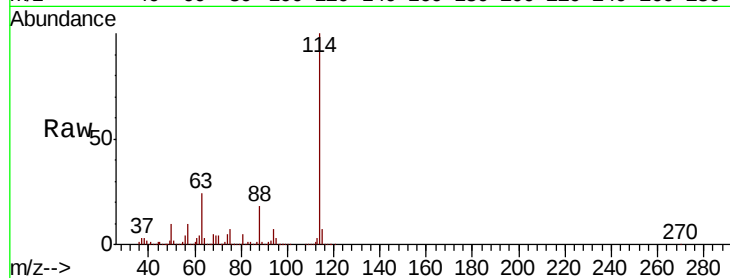
Tot Ion:114 Resp: 3759436

Ion Ratio Lower Upper

114 100

63 24.5 19.6 29.4

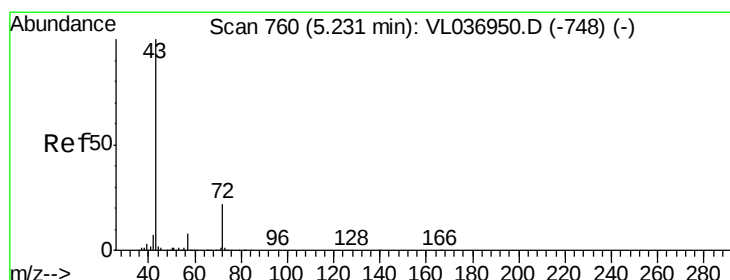
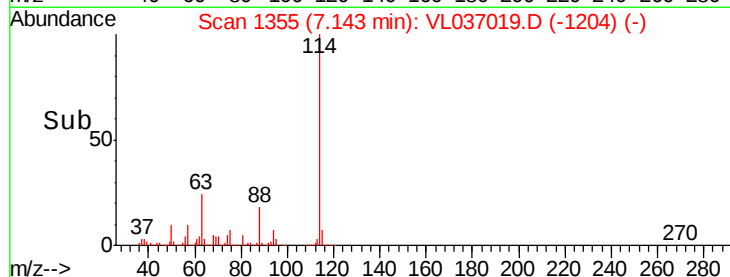
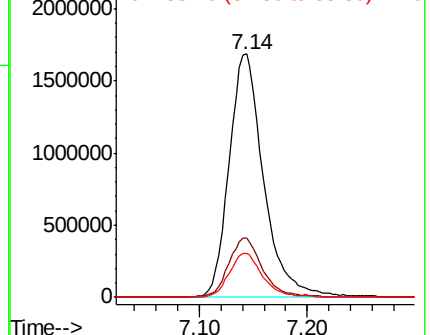
88 17.8 14.6 21.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.462 ppbv

RT: 5.21 min Scan# 755

Delta R.T. -0.02 min

Lab File: VL037019.D

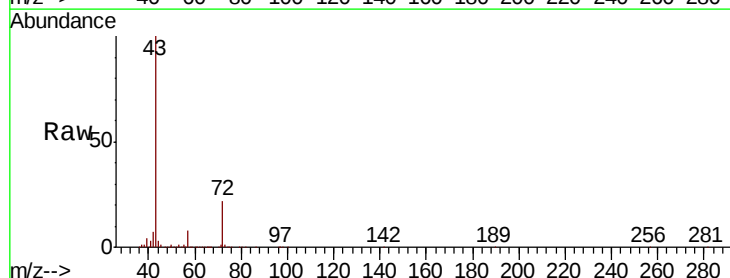
Acq: 20 May 2021 9:26

Tgt Ion: 43 Resp: 1295313

Ion Ratio Lower Upper

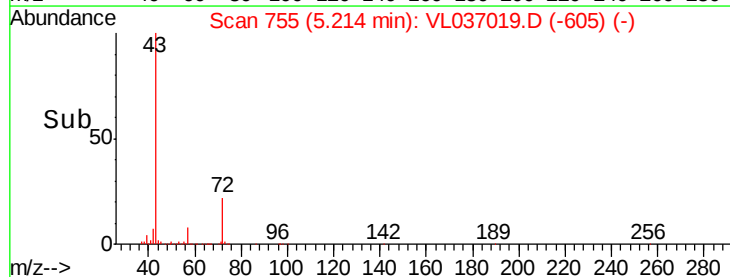
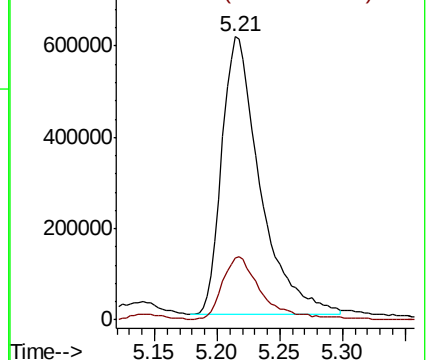
43 100

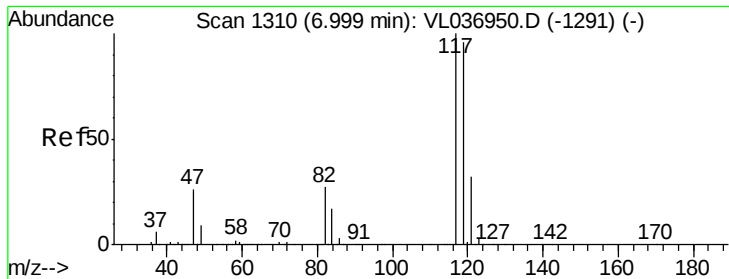
72 23.7 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.837 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

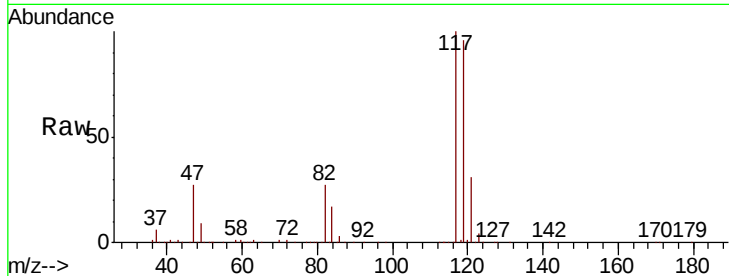
Tot Ion:117 Resp: 2207425

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8

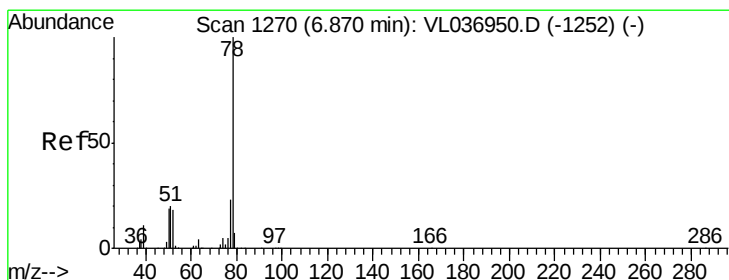
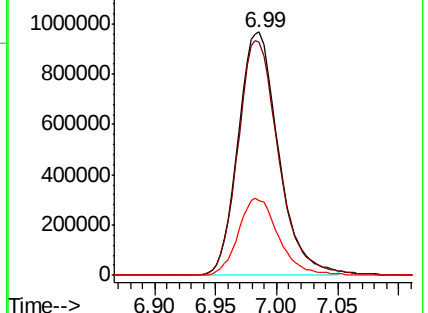
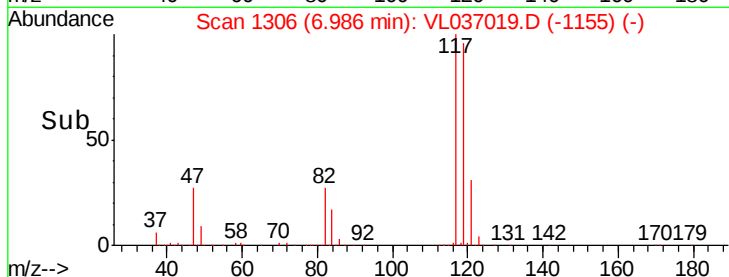
121 30.9 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.769 ppbv

RT: 6.86 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

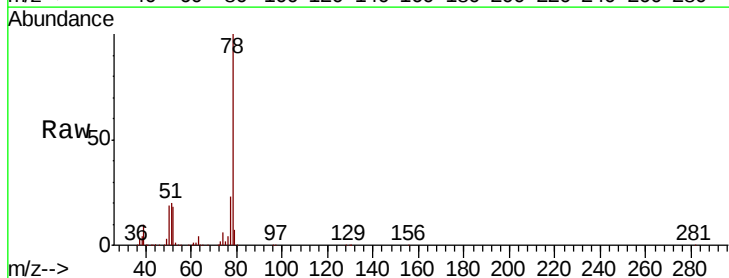
Tgt Ion: 78 Resp: 2839442

Ion Ratio Lower Upper

78 100

77 22.8 18.6 28.0

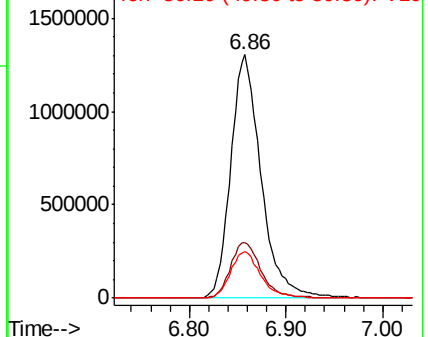
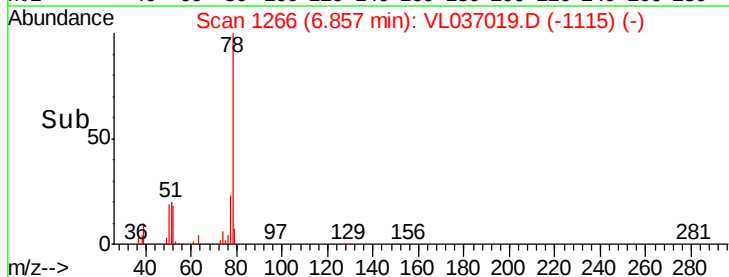
50 19.1 15.0 22.4

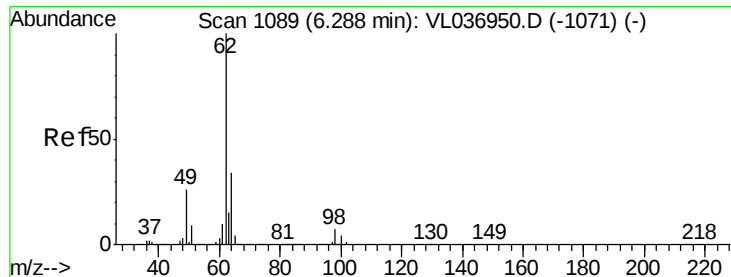


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

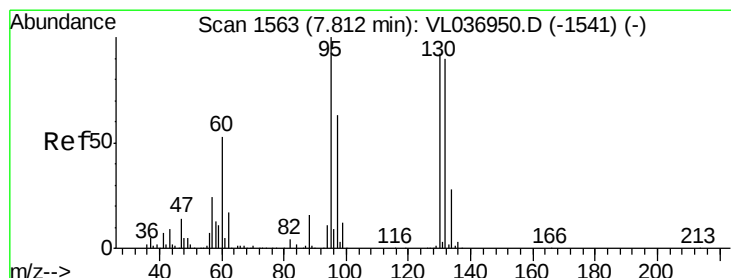
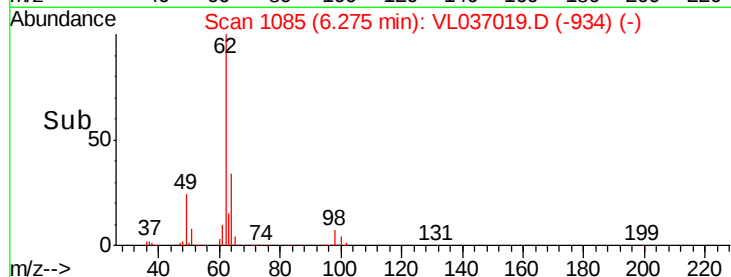
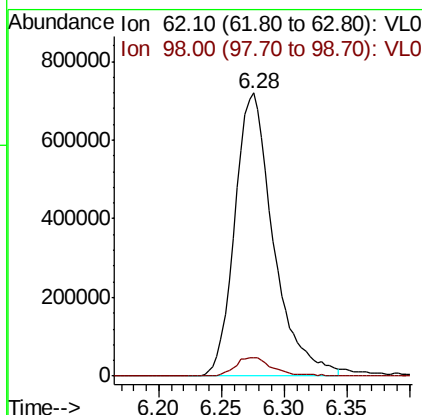
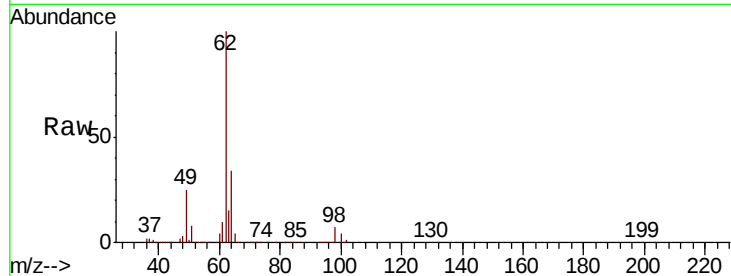




#37
 1,2-Dichloroethane
 Concen: 9.600 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

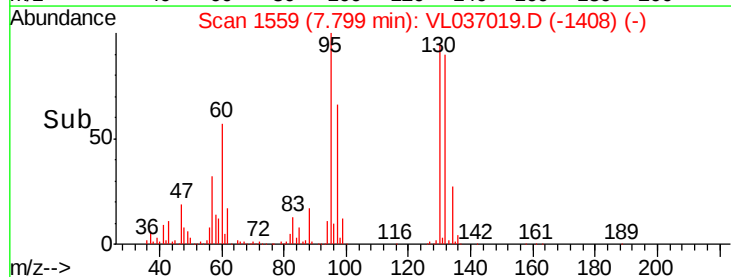
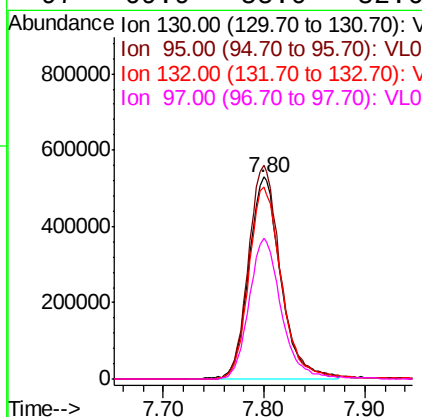
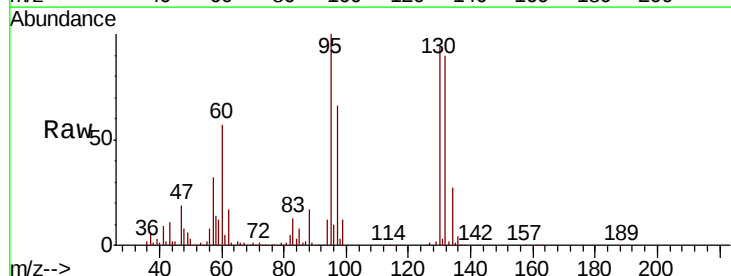
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

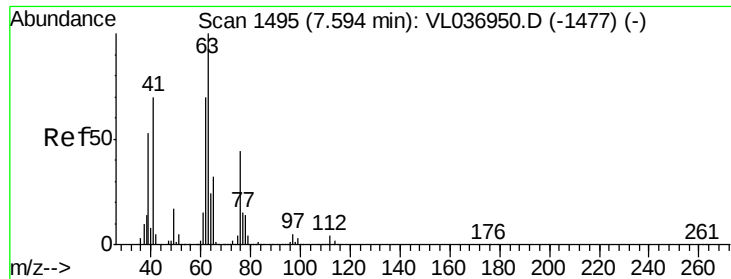
Tot Ion: 62 Resp: 1541249
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.5 8.3



#38
 Trichloroethene
 Concen: 8.367 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion:130 Resp: 1159074
 Ion Ratio Lower Upper
 130 100
 95 106.2 86.9 130.3
 132 95.2 78.4 117.6
 97 69.9 55.0 82.6



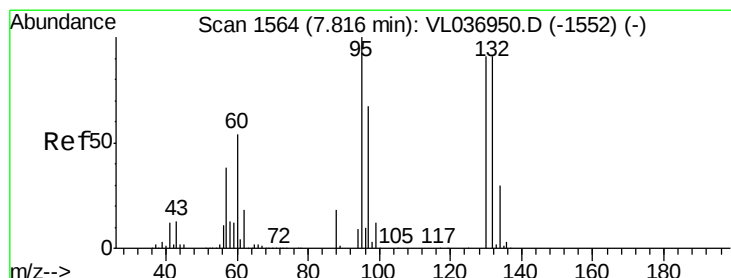
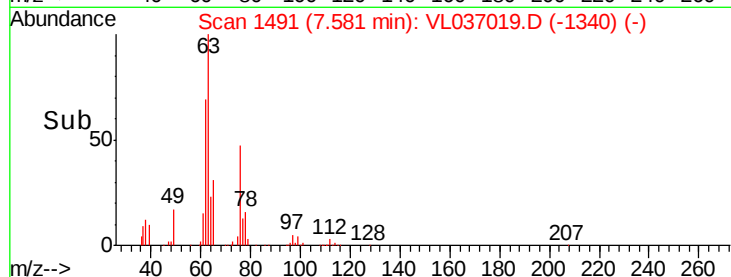
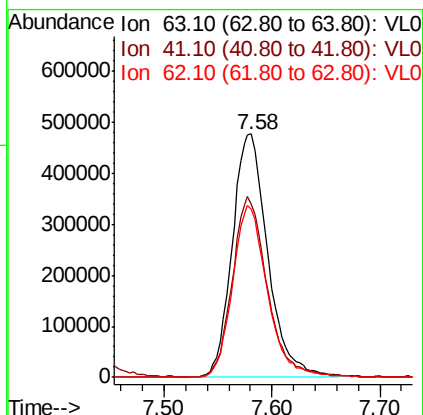
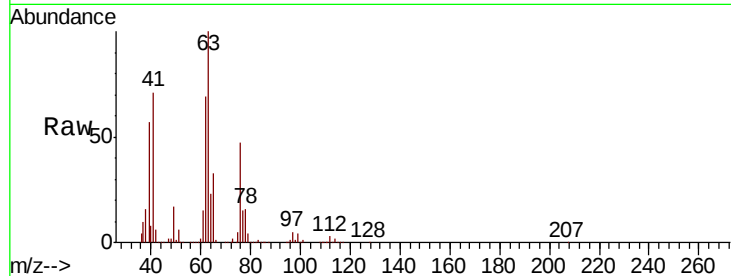


#39
 1,2-Dichloropropane
 Concen: 8.768 ppbv
 RT: 7.58 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 63 Resp: 1093718

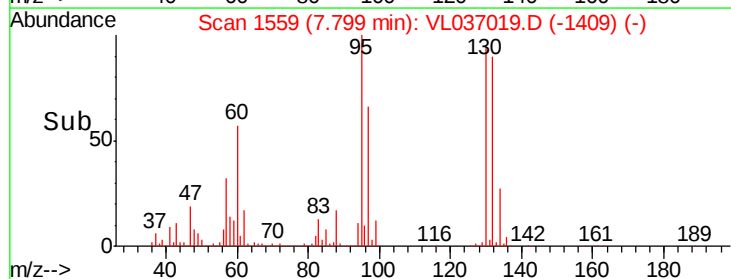
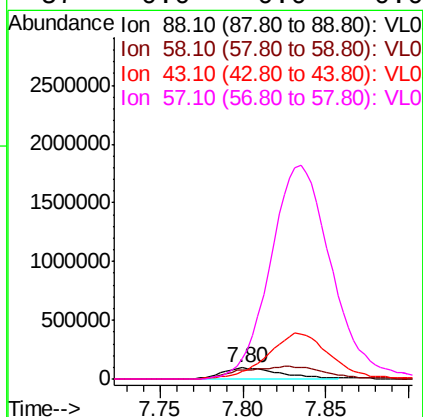
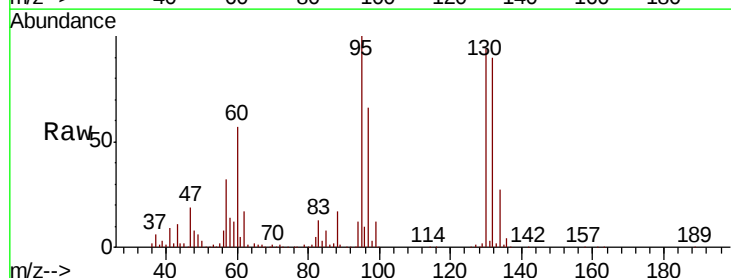
Ion	Ratio	Lower	Upper
63	100		
41	71.1	55.7	83.5
62	68.8	56.2	84.4

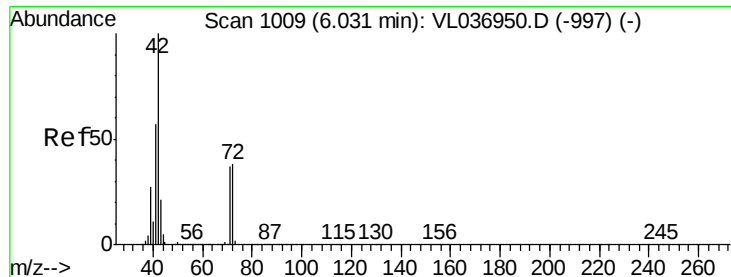


#40
 1,4-Dioxane
 Concen: 7.700 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion: 88 Resp: 226803

Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 8.315 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

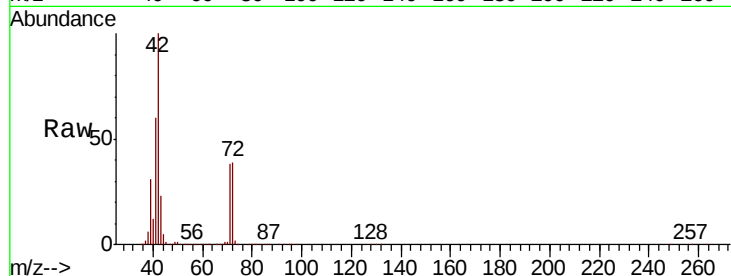
Tot Ion: 42 Resp: 648311

Ion Ratio Lower Upper

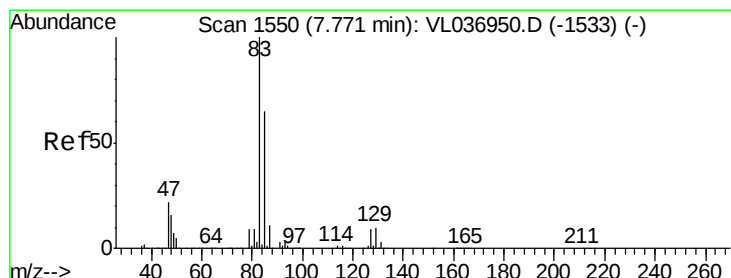
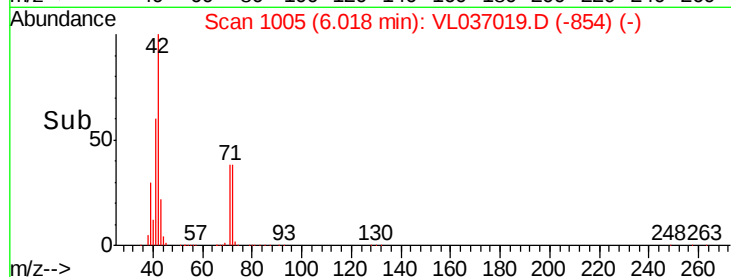
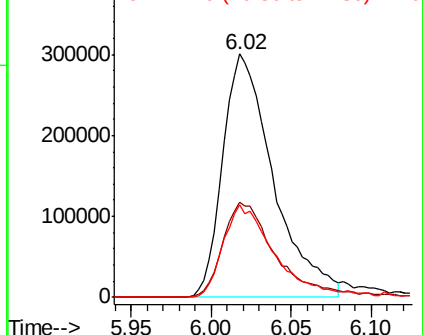
42 100

72 42.2 31.4 47.2

71 40.0 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.249 ppbv

RT: 7.76 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

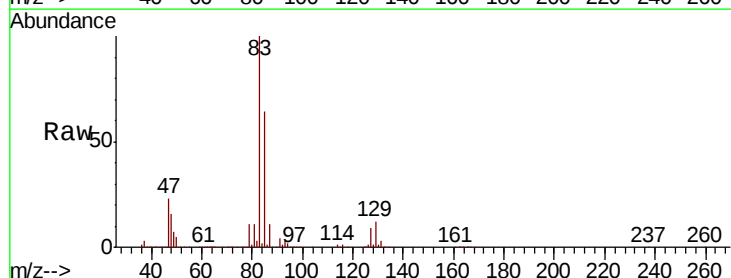
Tgt Ion: 83 Resp: 2246394

Ion Ratio Lower Upper

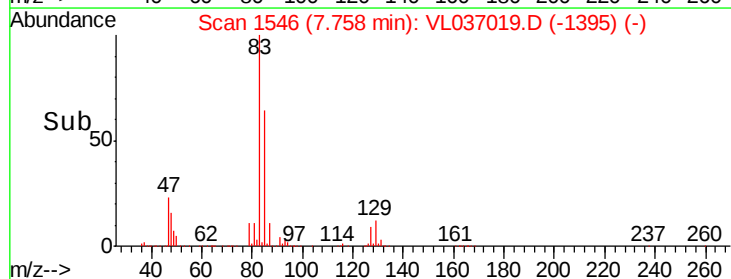
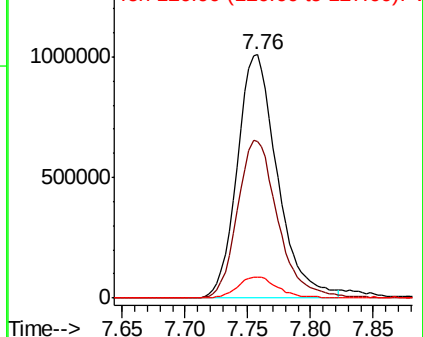
83 100

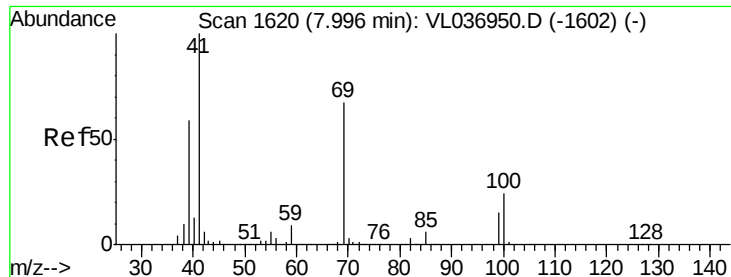
85 64.5 51.7 77.5

127 8.8 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

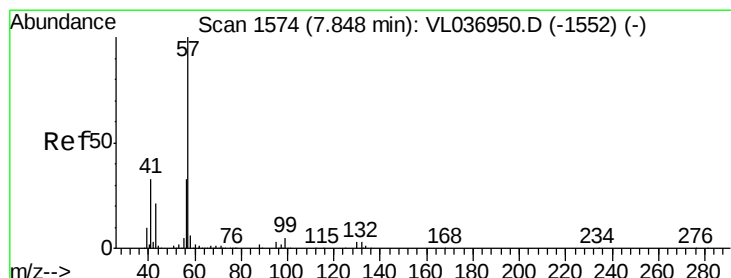
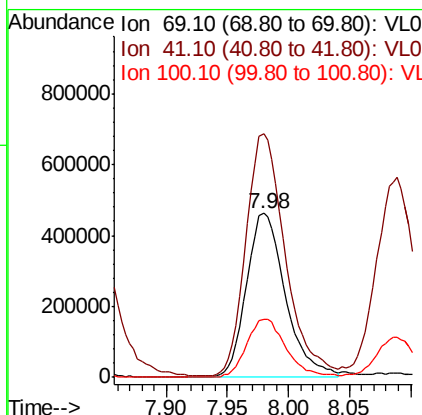
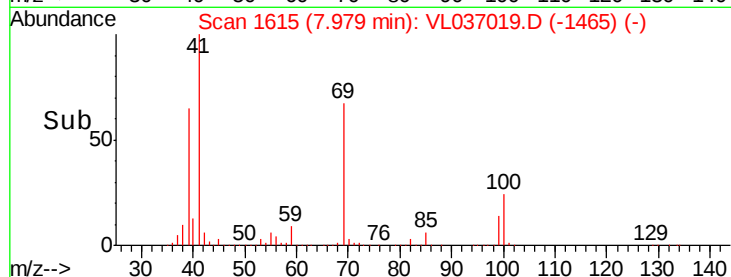
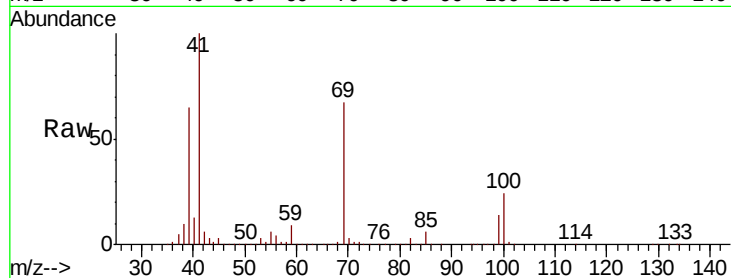




#43
Methyl Methacrylate
Concen: 9.182 ppbv
RT: 7.98 min Scan# 1615
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

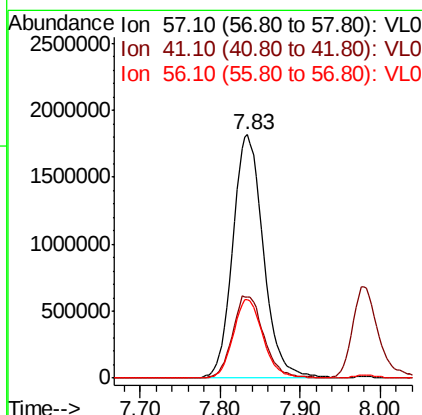
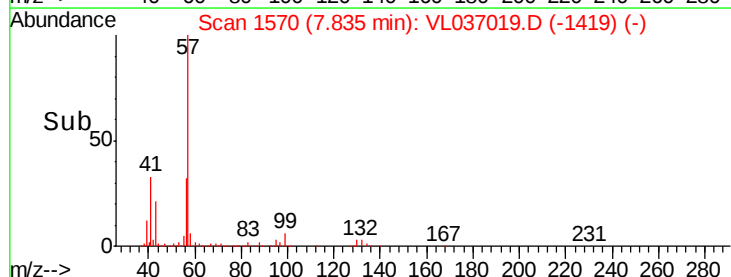
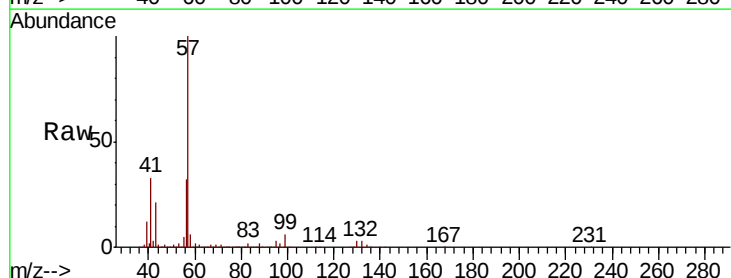
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

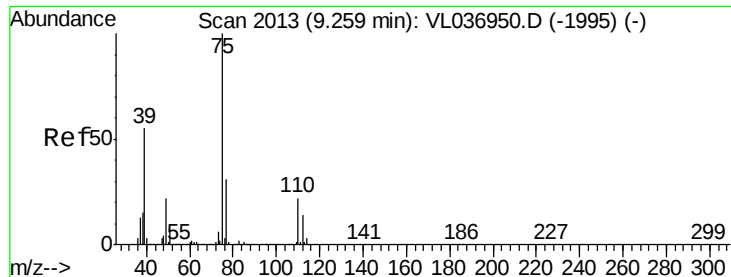
Tot Ion: 69 Resp: 1024829
Ion Ratio Lower Upper
69 100
41 149.4 118.6 178.0
100 35.7 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 8.482 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 57 Resp: 4712360
Ion Ratio Lower Upper
57 100
41 34.1 27.0 40.4
56 31.4 25.4 38.2

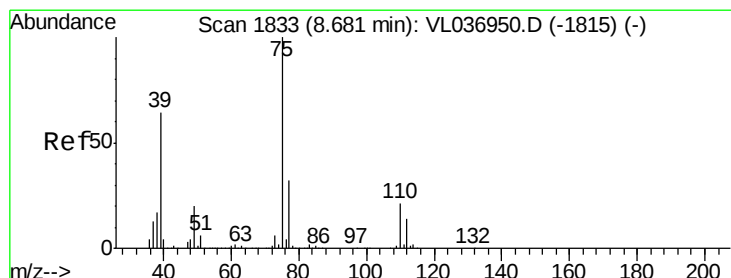
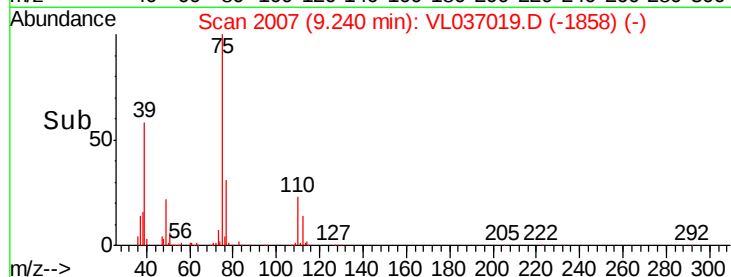
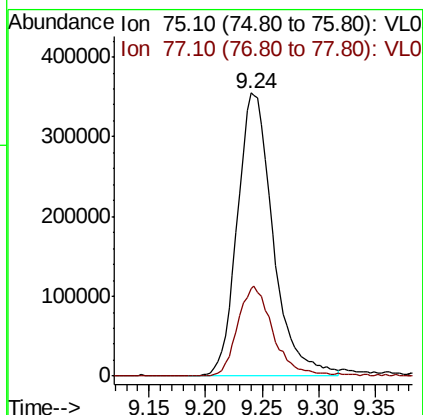
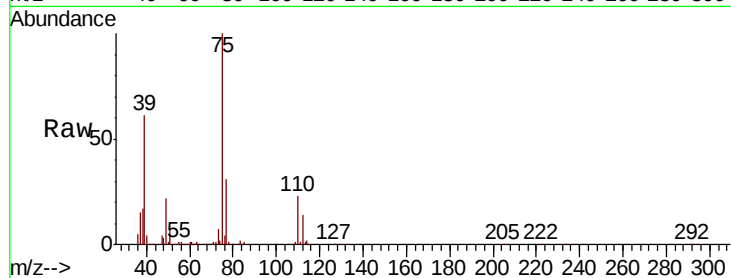




#45
t-1,3-Dichloropropene
Concen: 9.163 ppbv
RT: 9.24 min Scan# 2007
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

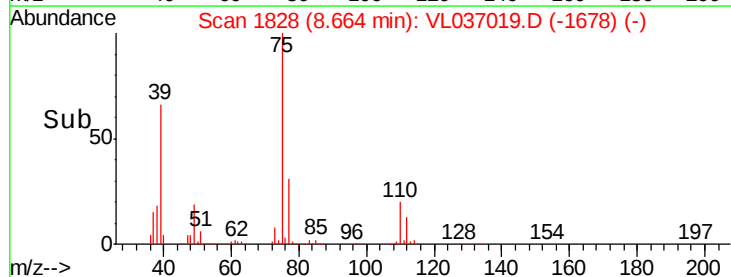
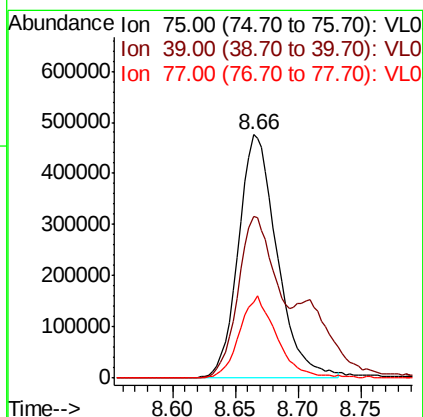
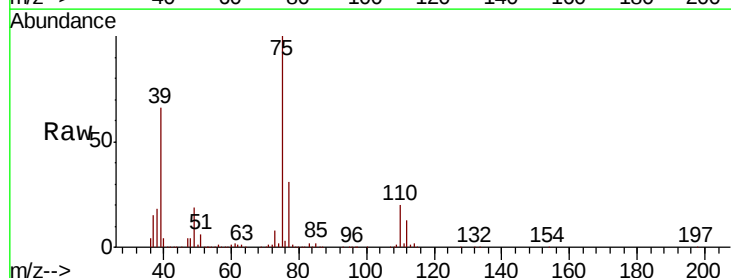
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

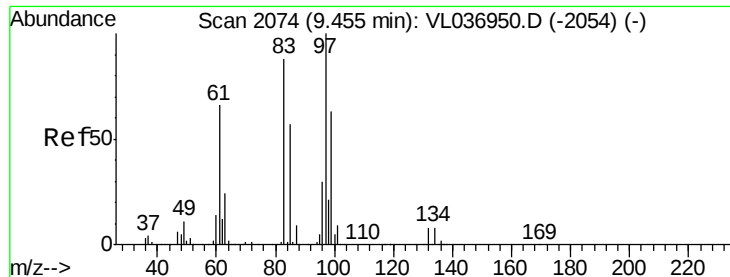
Tot Ion: 75 Resp: 781314
Ion Ratio Lower Upper
75 100
77 31.1 24.4 36.6



#46
cis-1,3-Dichloropropene
Concen: 8.864 ppbv
RT: 8.66 min Scan# 1828
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 75 Resp: 1016671
Ion Ratio Lower Upper
75 100
39 66.4 51.5 77.3
77 31.2 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 9.026 ppbv

RT: 9.44 min Scan# 2069

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 1178468

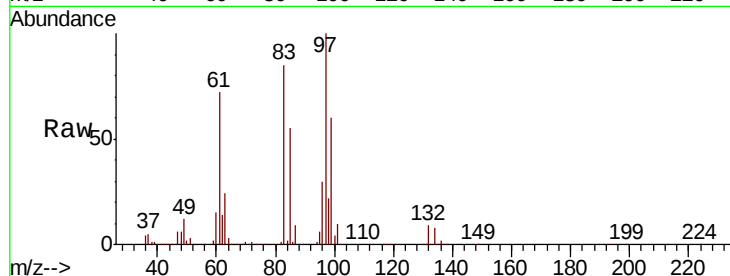
Ion Ratio Lower Upper

97 100

83 85.4 70.4 105.6

85 55.0 45.5 68.3

99 60.1 50.2 75.2

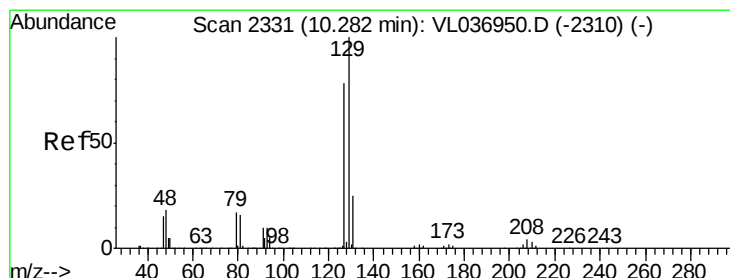
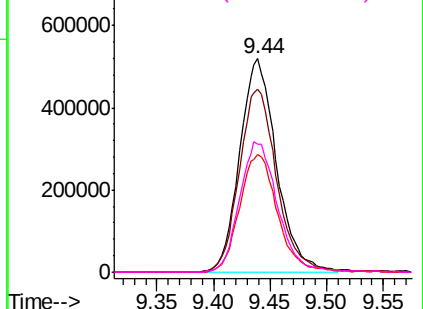
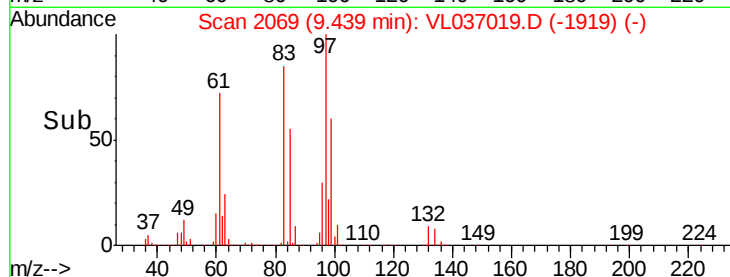


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.621 ppbv

RT: 10.27 min Scan# 2327

Delta R.T. -0.01 min

Lab File: VL037019.D

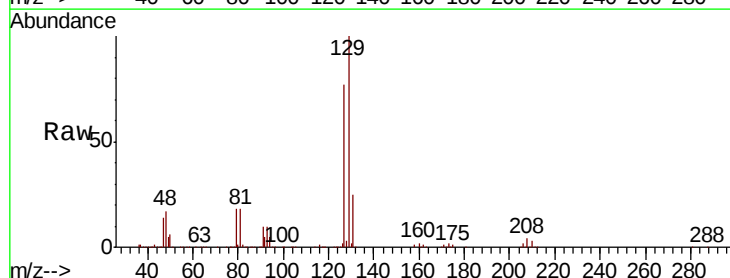
Acq: 20 May 2021 9:26

Tgt Ion: 129 Resp: 2033834

Ion Ratio Lower Upper

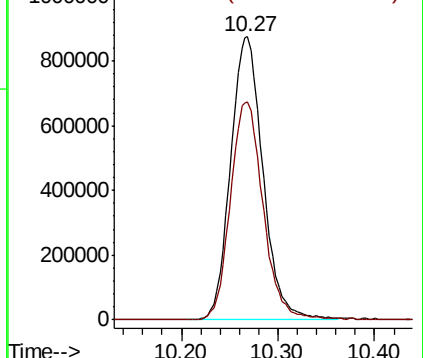
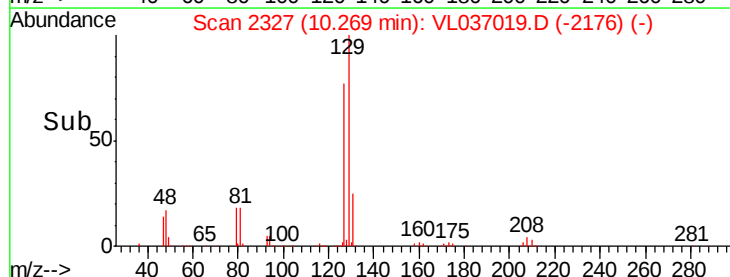
129 100

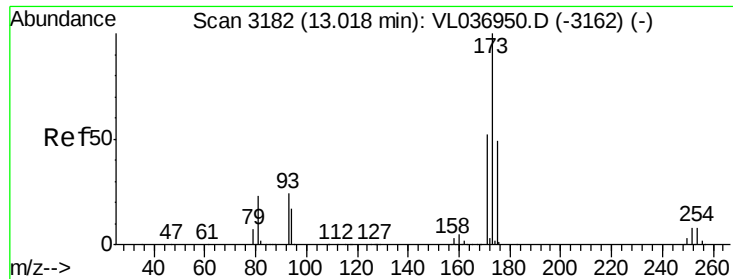
127 77.9 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.690 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

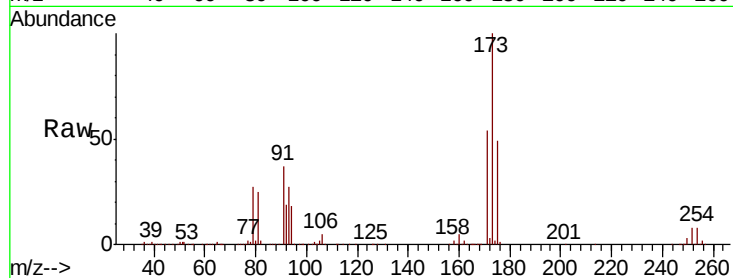
Tot Ion:173 Resp: 1691686

Ion Ratio Lower Upper

173 100

175 49.4 40.4 60.6

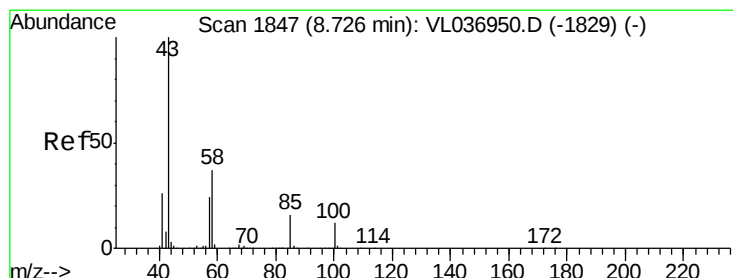
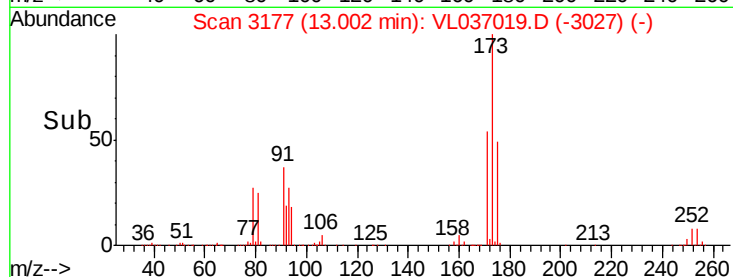
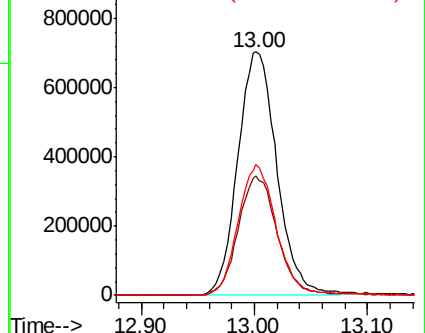
171 53.3 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.067 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.02 min

Lab File: VL037019.D

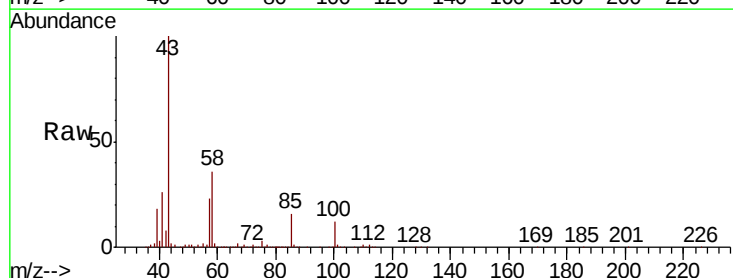
Acq: 20 May 2021 9:26

Tgt Ion: 43 Resp: 2048143

Ion Ratio Lower Upper

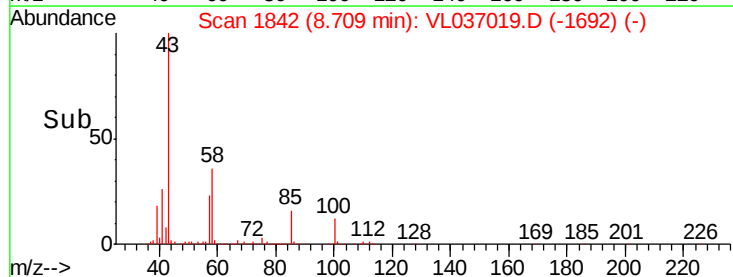
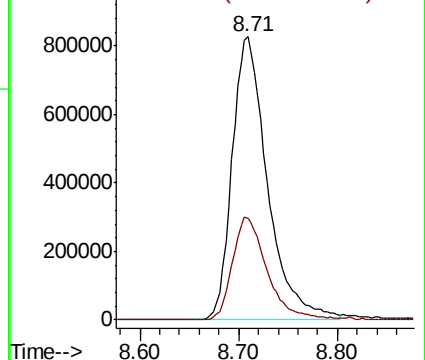
43 100

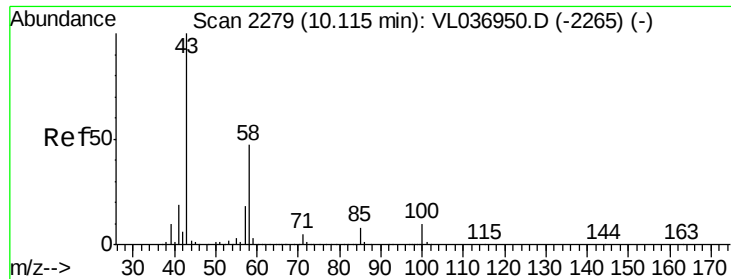
58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

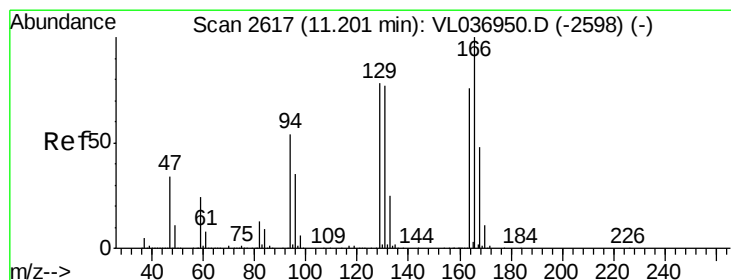
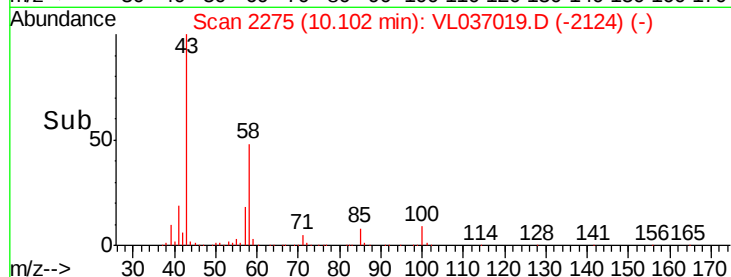
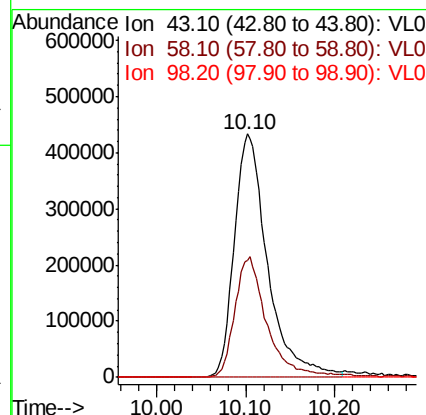
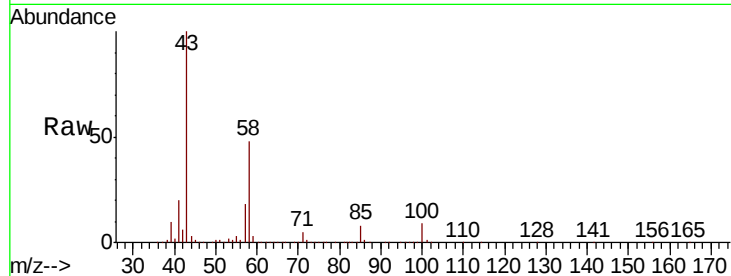




#51
2-Hexanone
Concen: 9.350 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

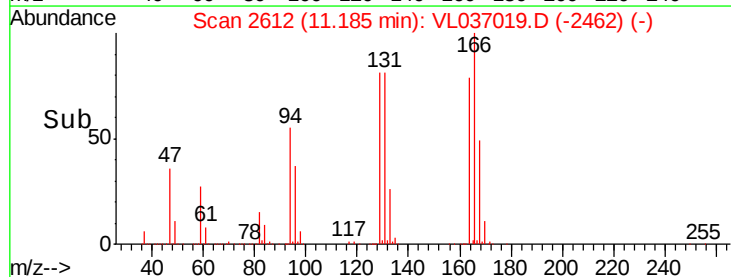
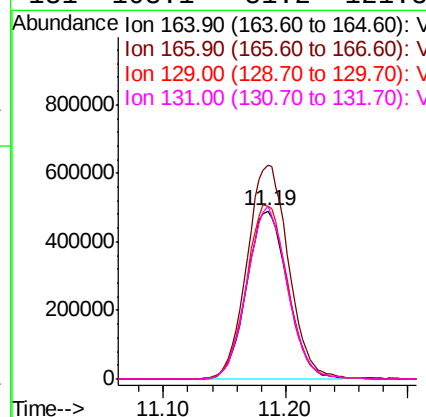
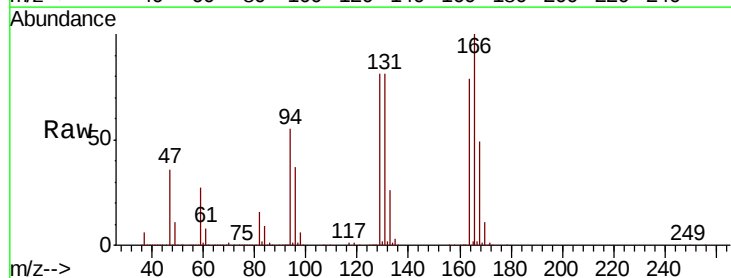
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

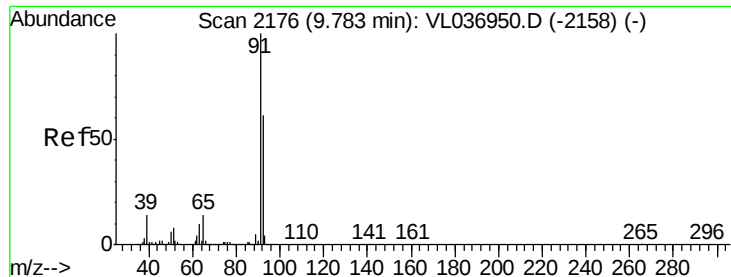
Tot Ion: 43 Resp: 1116575
Ion Ratio Lower Upper
43 100
58 48.4 41.1 61.7
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.831 ppbv
RT: 11.19 min Scan# 2612
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 164 Resp: 1137105
Ion Ratio Lower Upper
164 100
166 127.2 105.5 158.3
129 102.7 81.8 122.8
131 103.1 81.2 121.8





#53

Toluene

Concen: 8.812 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

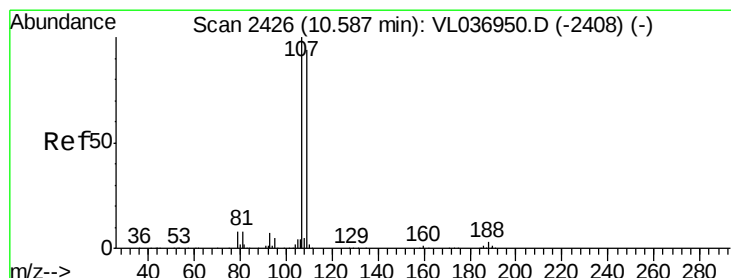
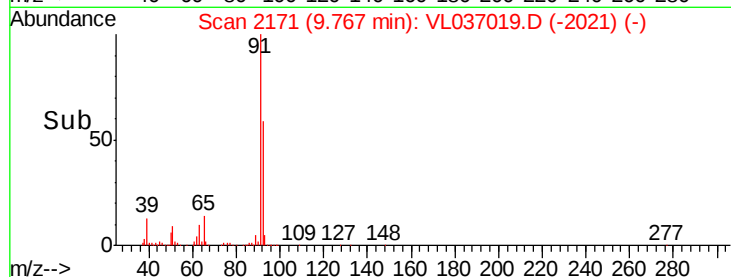
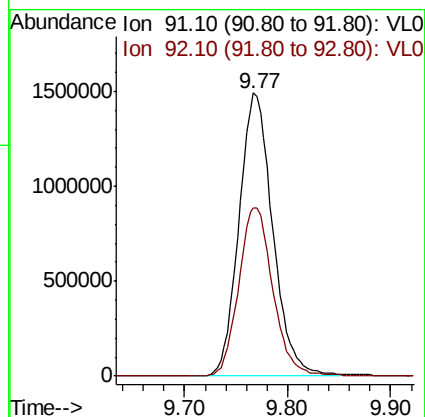
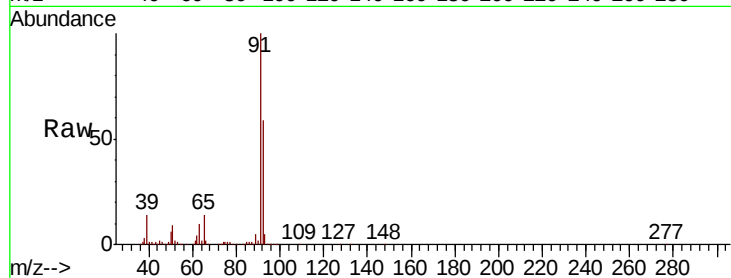
VSTDCCC010

Tot Ion: 91 Resp: 3395208

Ion Ratio Lower Upper

91 100

92 60.6 49.5 74.3



#54

1,2-Dibromoethane

Concen: 9.356 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.02 min

Lab File: VL037019.D

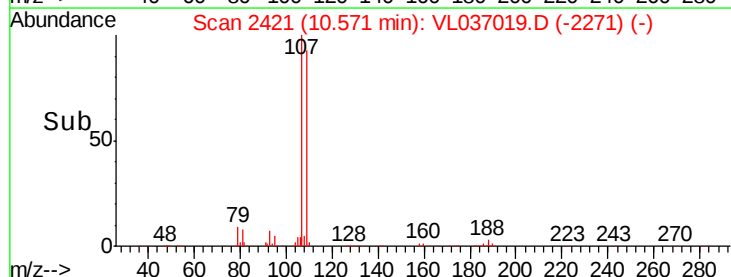
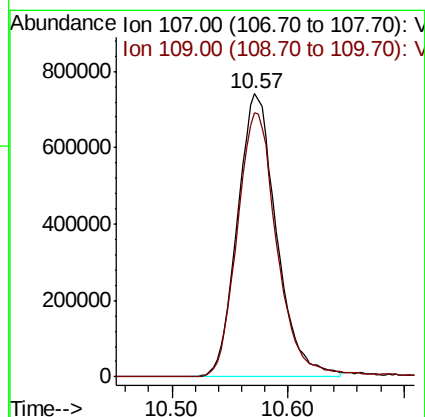
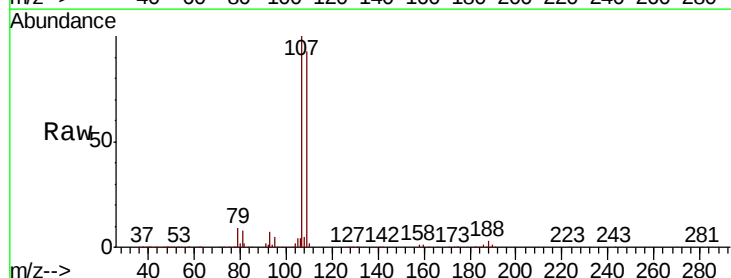
Acq: 20 May 2021 9:26

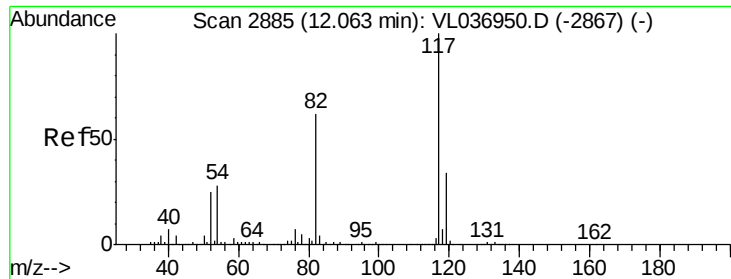
Tgt Ion: 107 Resp: 1736674

Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.4

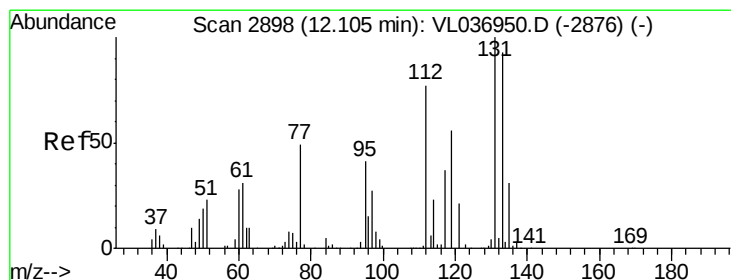
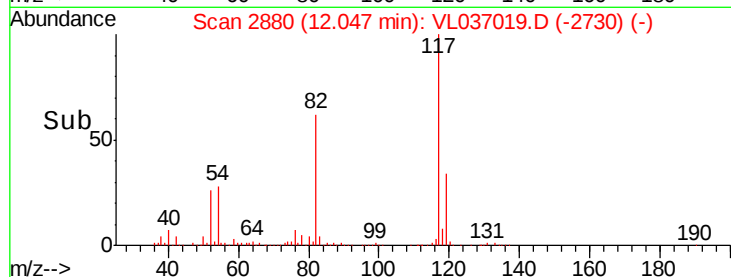
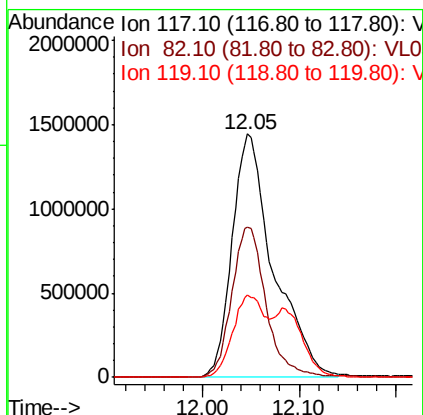
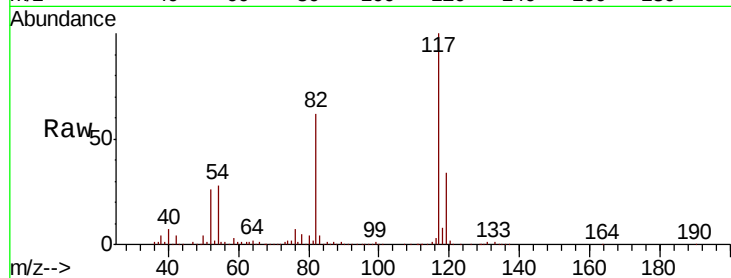




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2880
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

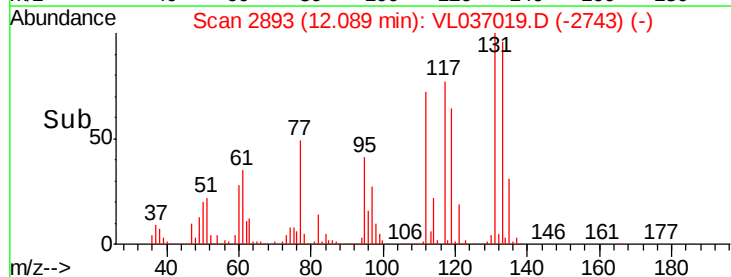
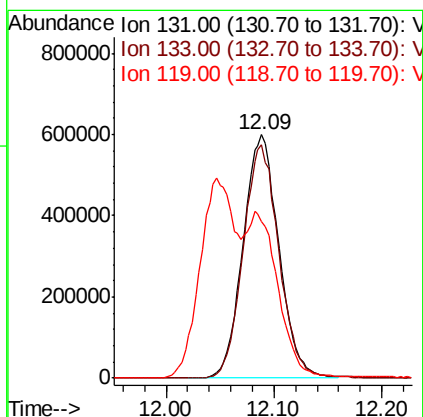
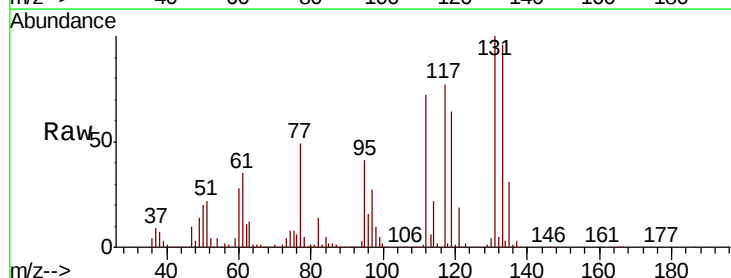
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

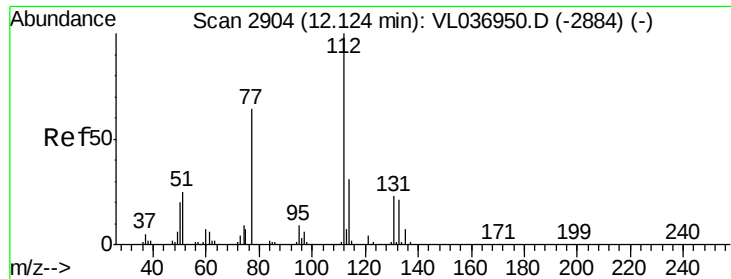
Tot Ion:117 Resp: 4287398
Ion Ratio Lower Upper
117 100
82 51.6 52.6 79.0#
119 28.0 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.652 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion:131 Resp: 1380374
Ion Ratio Lower Upper
131 100
133 96.1 76.9 115.3
119 57.6 120.2 180.4#

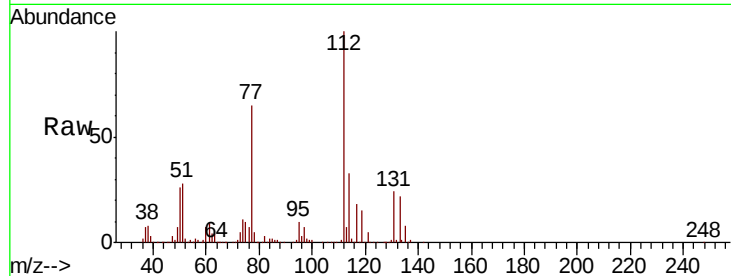




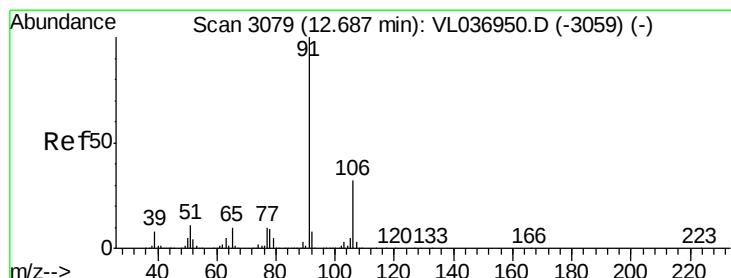
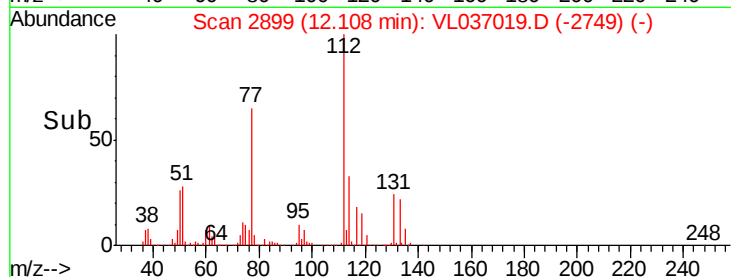
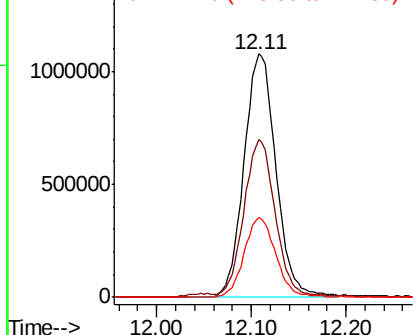
#57
Chlorobenzene
Concen: 7.622 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 2533780
Ion Ratio Lower Upper
112 100
77 64.1 51.0 76.6
114 33.0 28.3 34.5

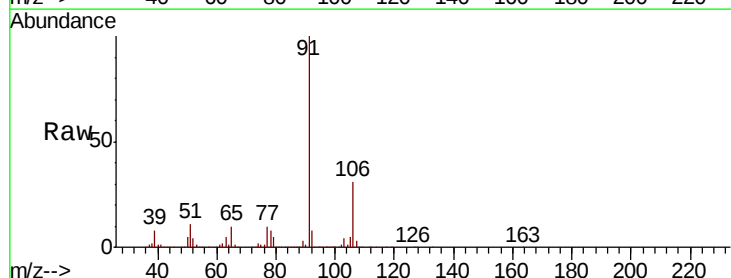


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

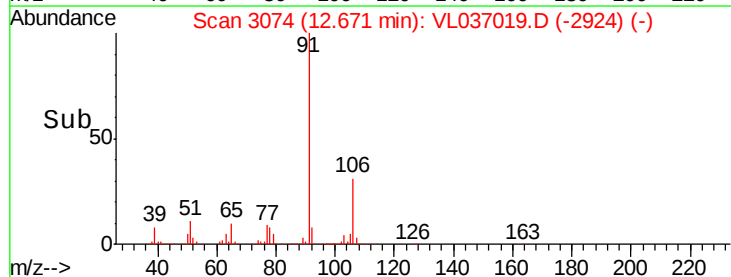
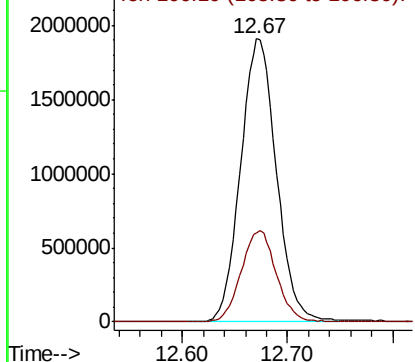


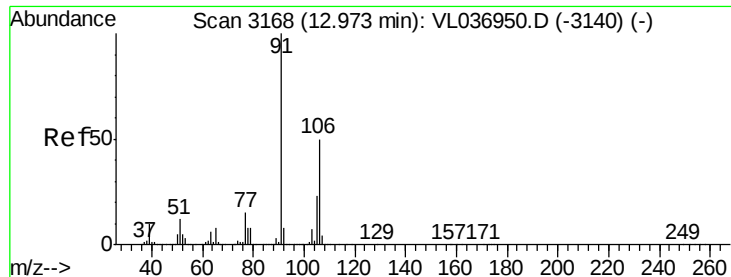
#58
Ethyl Benzene
Concen: 7.446 ppbv
RT: 12.67 min Scan# 3074
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 91 Resp: 4505950
Ion Ratio Lower Upper
91 100
106 31.4 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

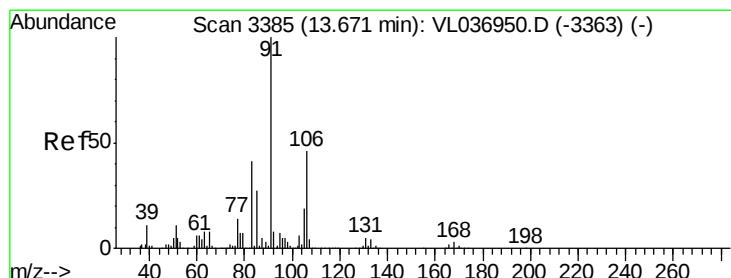
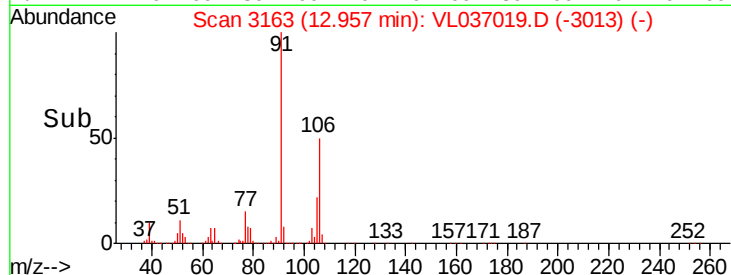
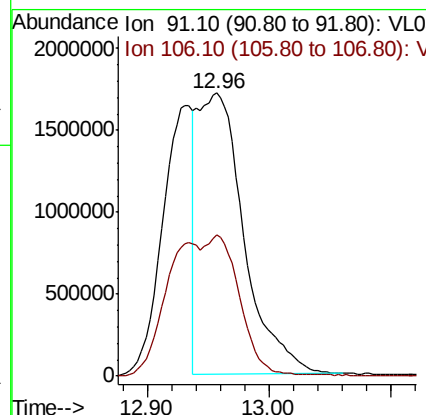
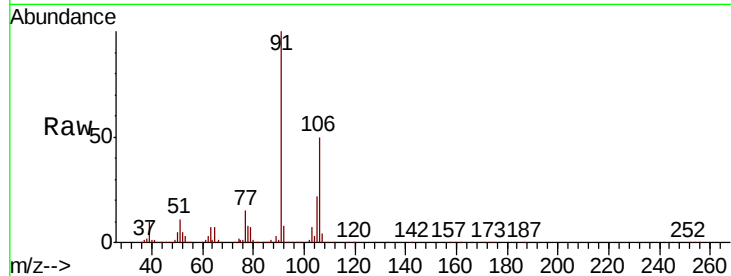




#59
m/p-Xylene
Concen: 9.031 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

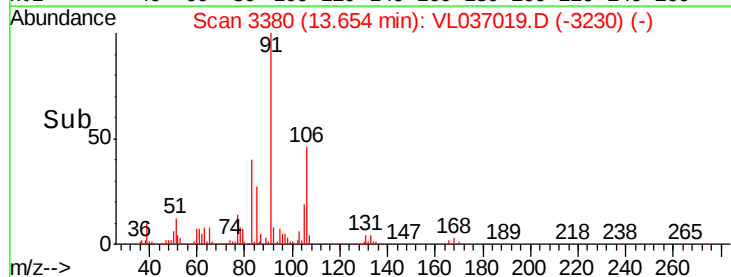
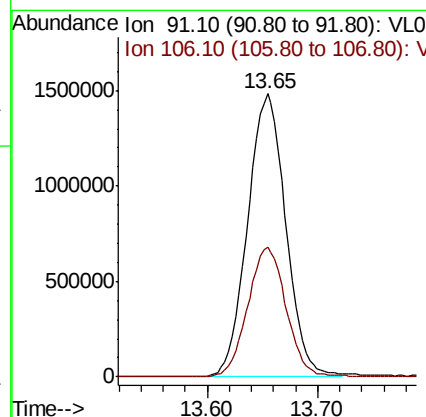
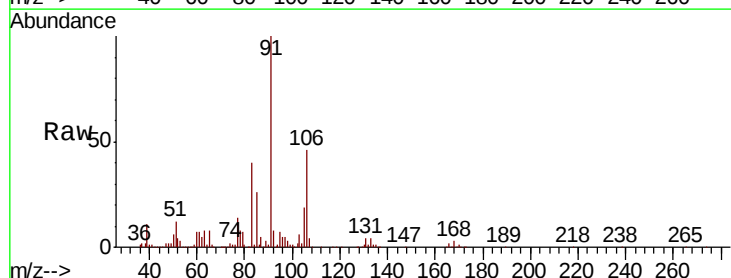
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

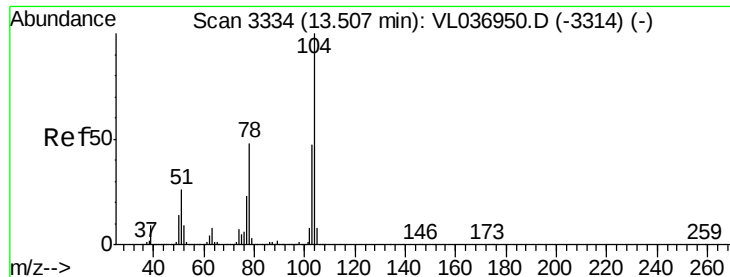
Tot Ion: 91 Resp: 4517032
Ion Ratio Lower Upper
91 100
106 76.1 37.4 56.2#



#60
o-Xylene
Concen: 7.445 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 91 Resp: 3551646
Ion Ratio Lower Upper
91 100
106 46.0 23.4 70.3





#61

Stvrene

Concen: 7.909 ppbv

RT: 13.49 min Scan# 3328

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

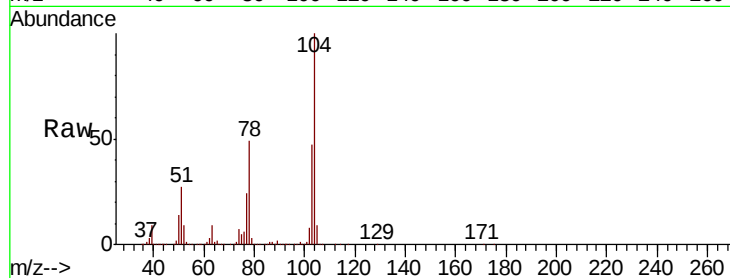
Tot Ion:104 Resp: 2125668

Ion Ratio Lower Upper

104 100

78 49.8 39.0 58.6

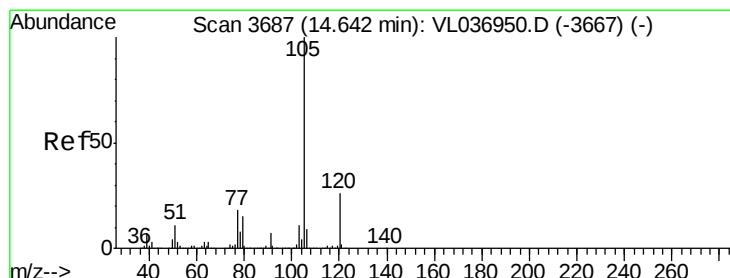
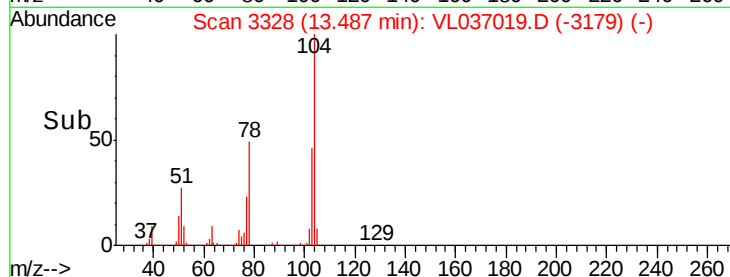
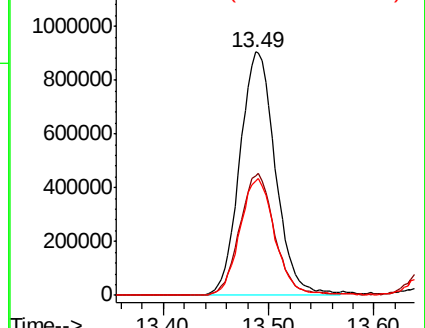
103 47.6 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.370 ppbv

RT: 14.63 min Scan# 3683

Delta R.T. -0.01 min

Lab File: VL037019.D

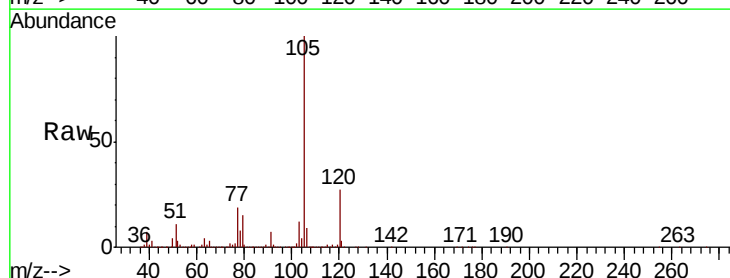
Acq: 20 May 2021 9:26

Tgt Ion:105 Resp: 5052684

Ion Ratio Lower Upper

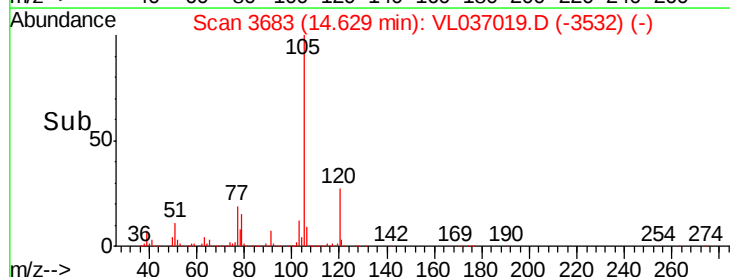
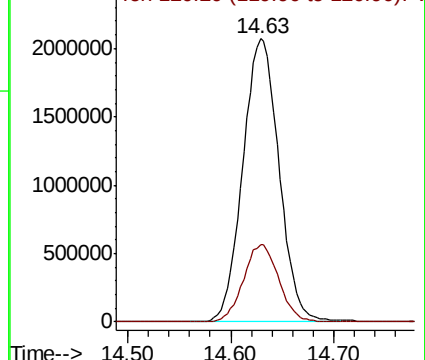
105 100

120 26.9 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.812 ppbv

RT: 13.64 min Scan# 3375

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

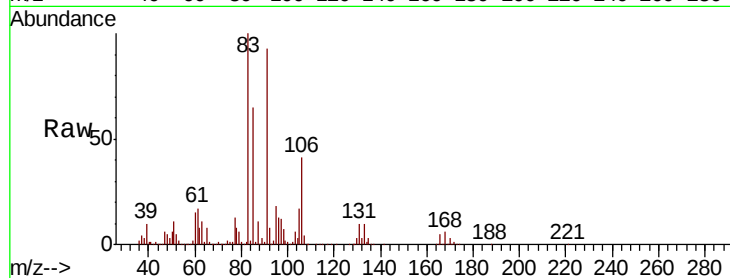
Tot Ion: 83 Resp: 2426962

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

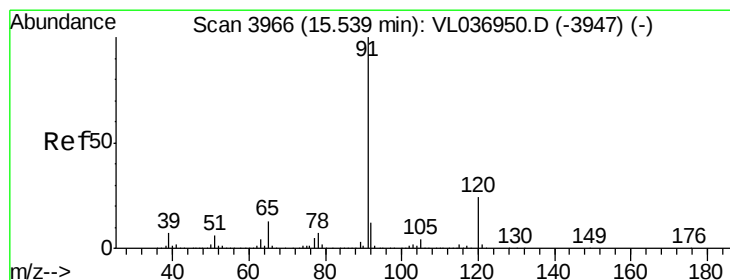
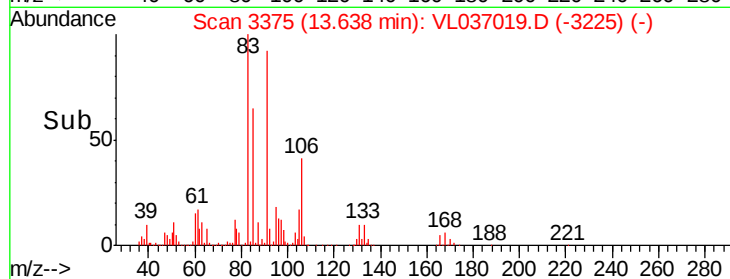
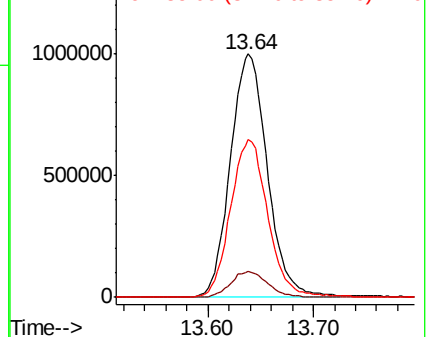
85 66.0 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.776 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.02 min

Lab File: VL037019.D

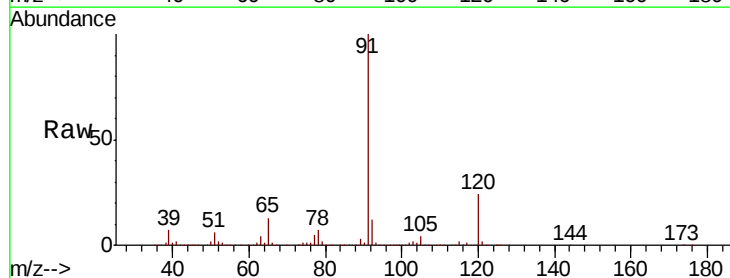
Acq: 20 May 2021 9:26

Tgt Ion:120 Resp: 1375482

Ion Ratio Lower Upper

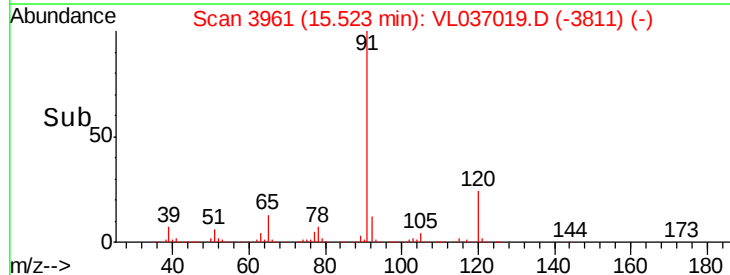
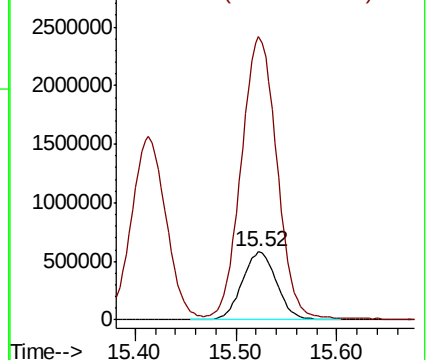
120 100

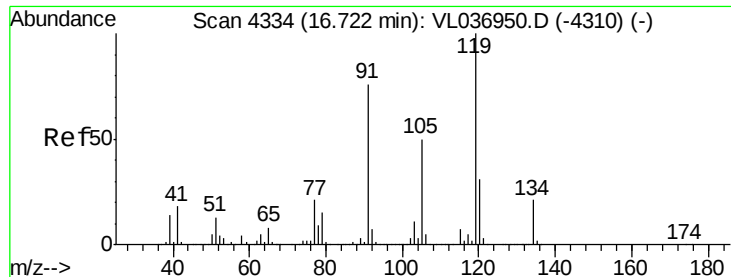
91 433.7 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

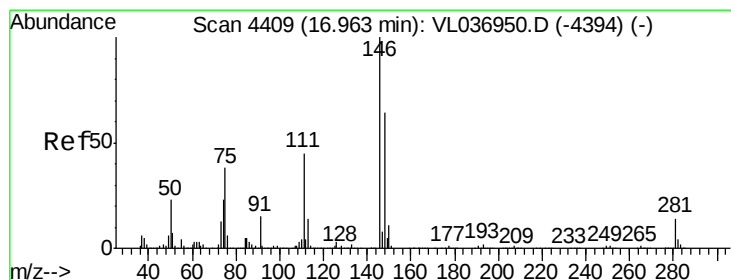
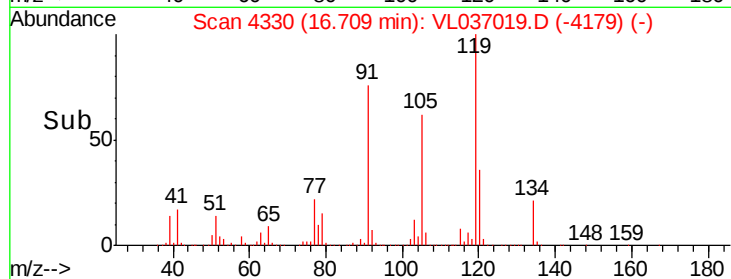
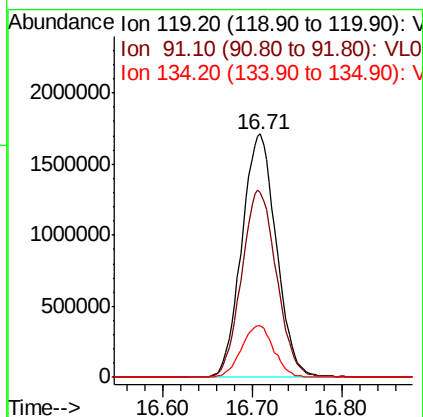
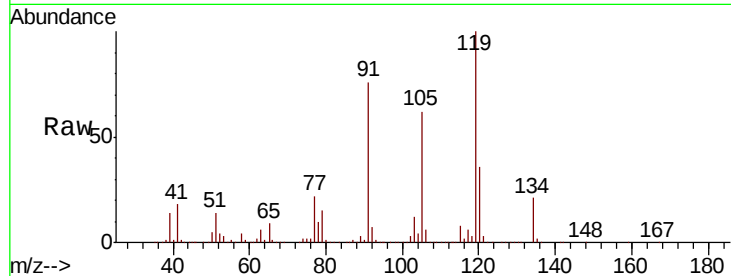




#65
tert-Butylbenzene
Concen: 7.450 ppbv
RT: 16.71 min Scan# 4330
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

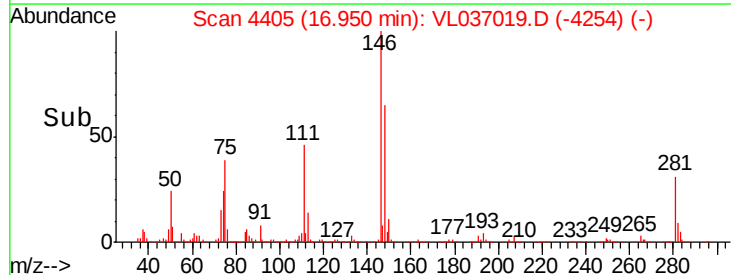
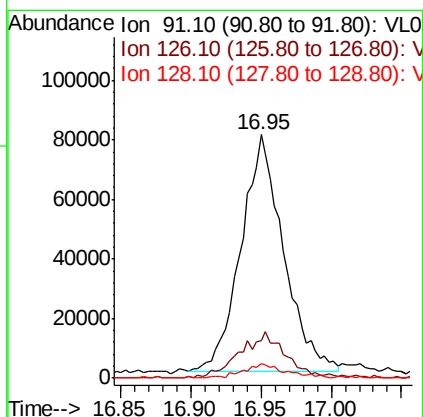
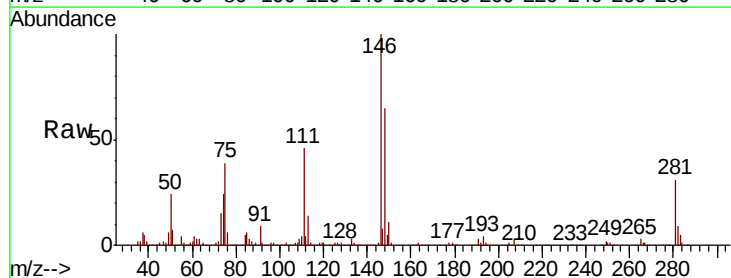
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

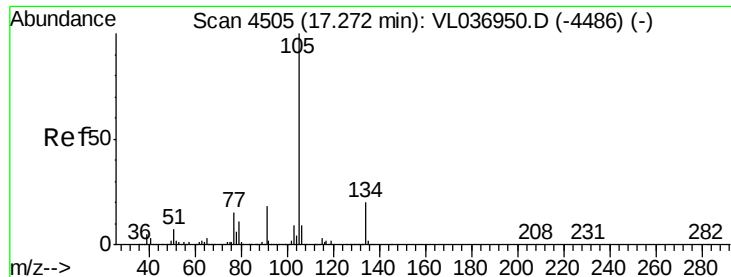
Tot Ion:119 Resp: 4609194
Ion Ratio Lower Upper
119 100
91 77.9 61.9 92.9
134 20.1 16.2 24.4



#66
Benzyl Chloride
Concen: 4.882 ppbv
RT: 16.95 min Scan# 4405
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion: 91 Resp: 167588
Ion Ratio Lower Upper
91 100
126 22.0 16.5 24.7
128 6.1 5.5 8.3





#67

sec-Butylbenzene

Concen: 7.425 ppbv

RT: 17.26 min Scan# 4500

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleID :

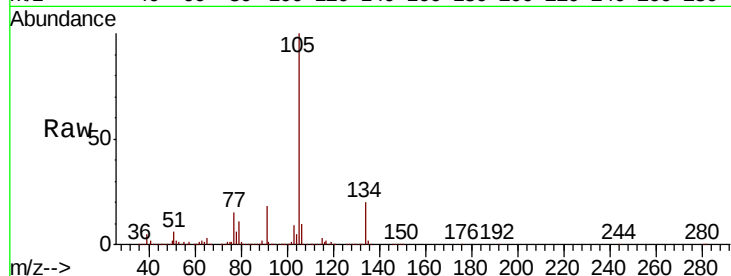
VSTDCCC010

Tot Ion:105 Resp: 6266050

Ion Ratio Lower Upper

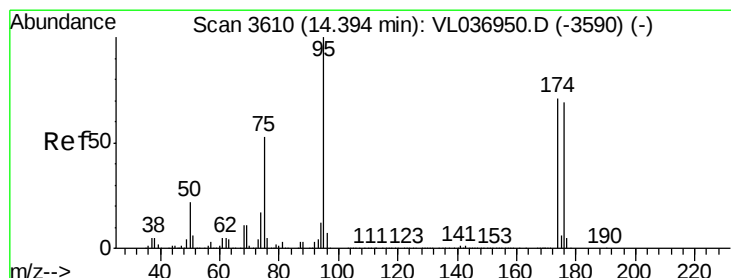
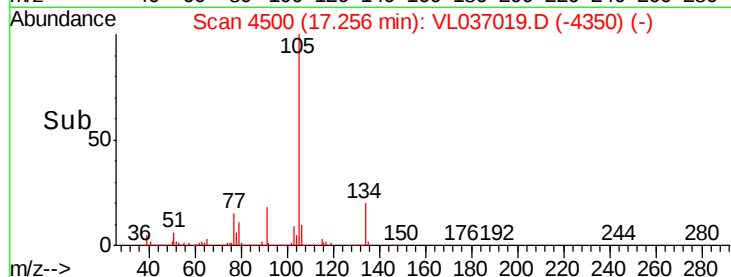
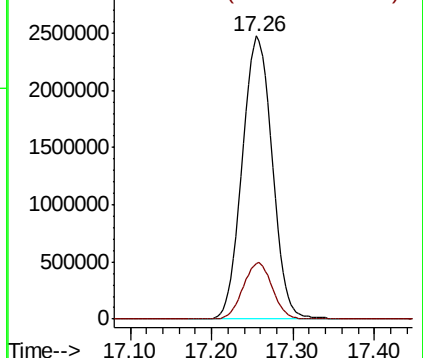
105 100

134 19.5 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.270 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

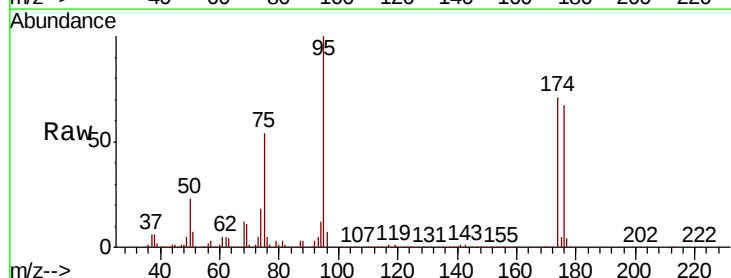
Tgt Ion: 95 Resp: 2663523

Ion Ratio Lower Upper

95 100

174 72.1 58.4 87.6

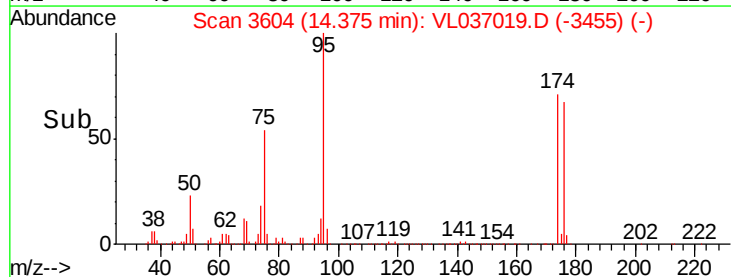
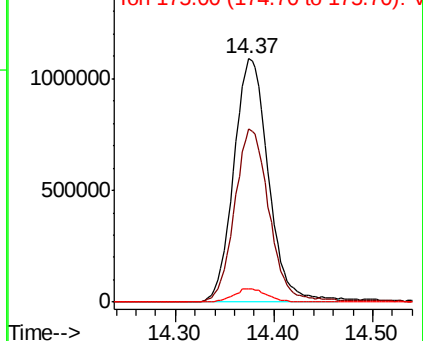
175 5.5 4.4 6.6

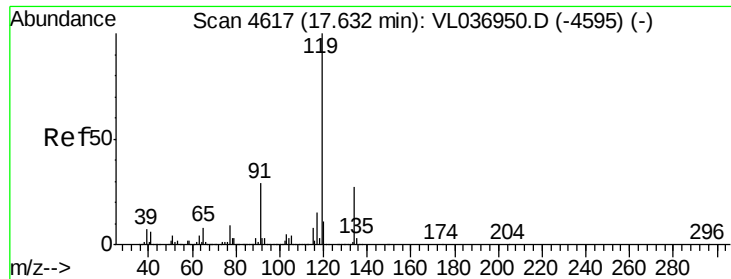


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

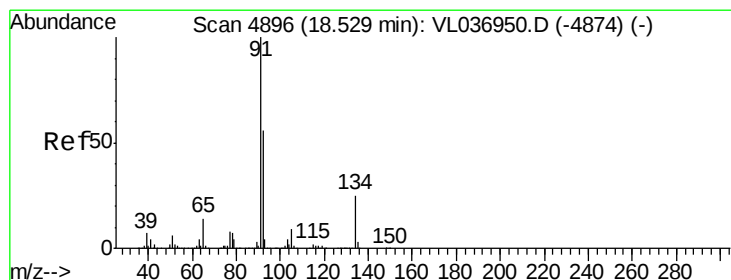
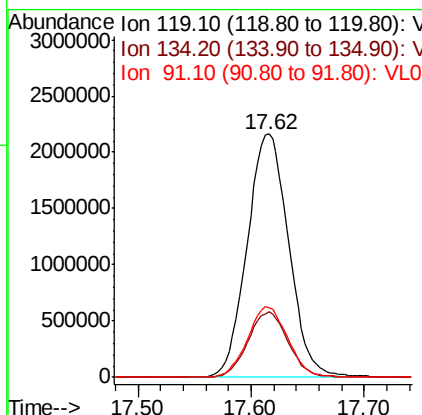
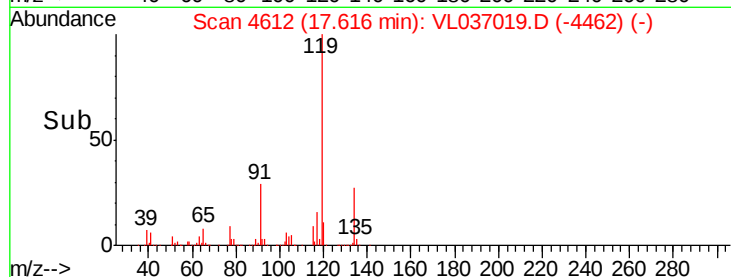
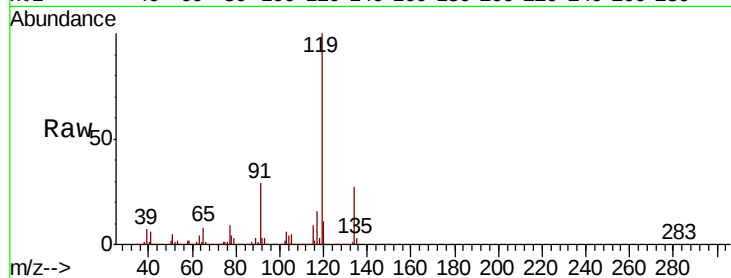




#69
 p-Isopropyltoluene
 Concen: 7.562 ppbv
 RT: 17.62 min Scan# 4612
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

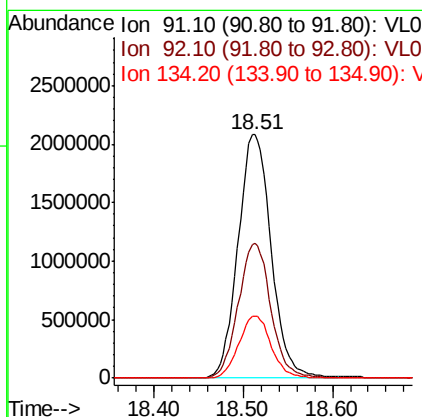
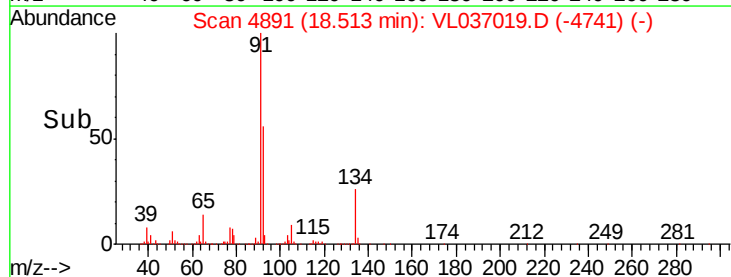
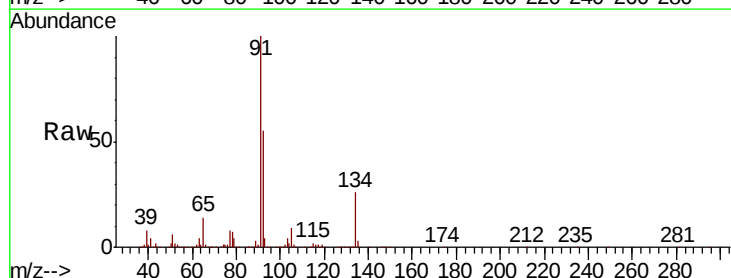
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

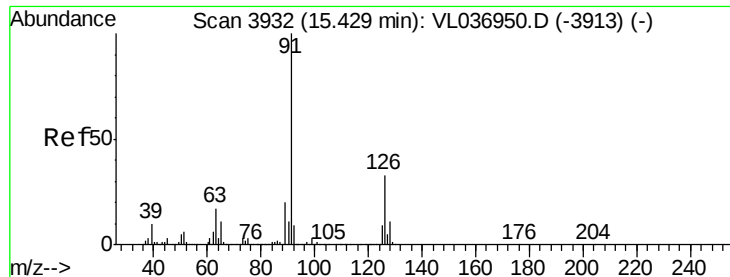
Tot Ion:119 Resp: 5487183
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.2 31.8
 91 28.4 22.2 33.4



#70
 n-Butylbenzene
 Concen: 7.796 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion: 91 Resp: 5374289
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.6 66.8
 134 25.0 20.2 30.2

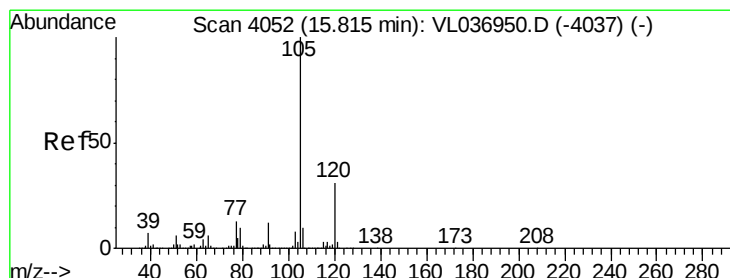
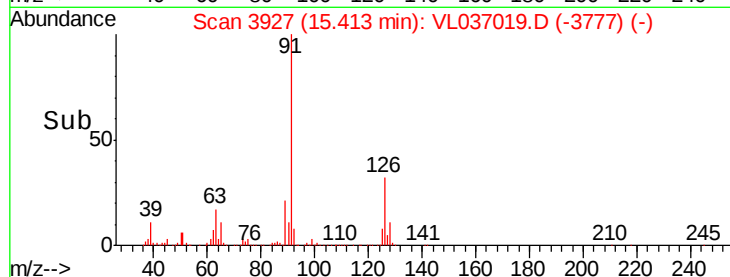
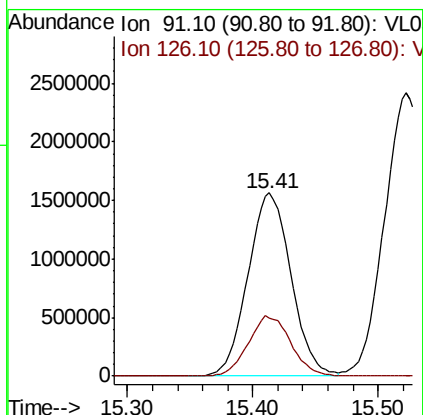
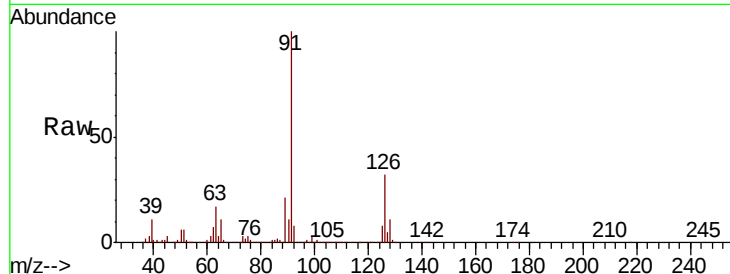




#71
 2-Chlorotoluene
 Concen: 7.536 ppbv
 RT: 15.41 min Scan# 3927
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

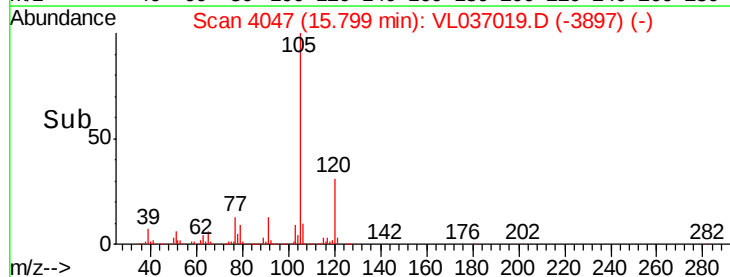
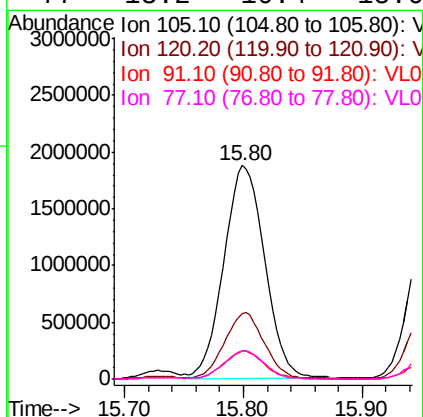
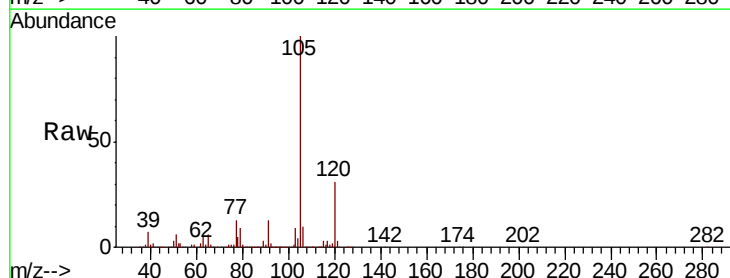
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

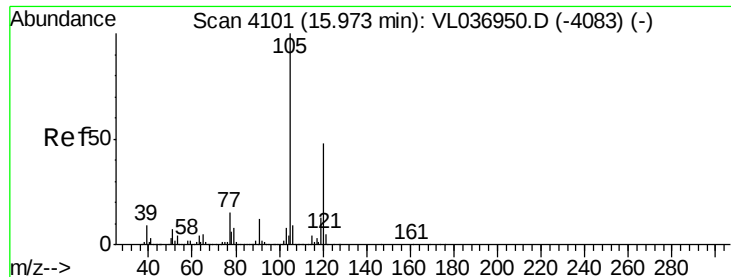
Tot Ion: 91 Resp: 3731728
 Ion Ratio Lower Upper
 91 100
 126 33.3 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 7.875 ppbv
 RT: 15.80 min Scan# 4047
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion: 105 Resp: 4458878
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.6 37.0
 91 12.6 9.8 14.6
 77 13.2 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 7.664 ppbv

RT: 15.96 min Scan# 4097

Delta R.T. -0.01 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

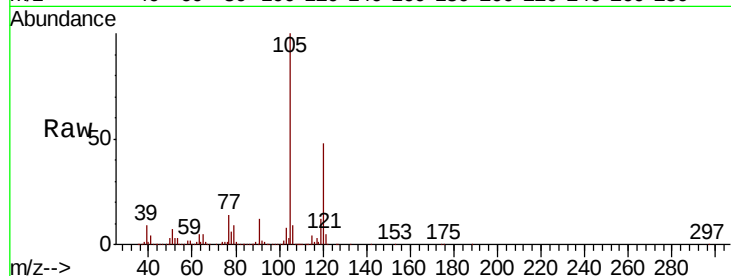
VSTDCCC010

Tot Ion:105 Resp: 4075191

Ion Ratio Lower Upper

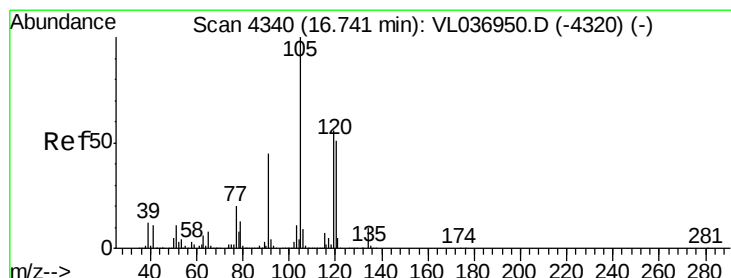
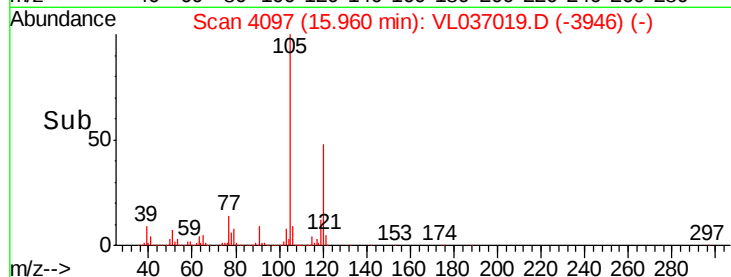
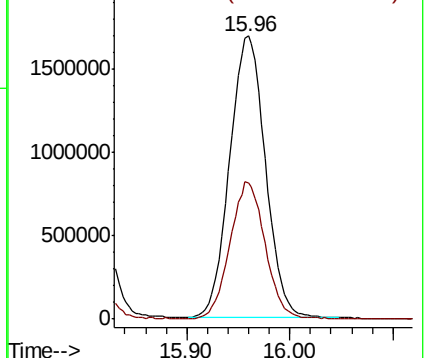
105 100

120 48.2 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.661 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Tgt Ion:105 Resp: 4211919

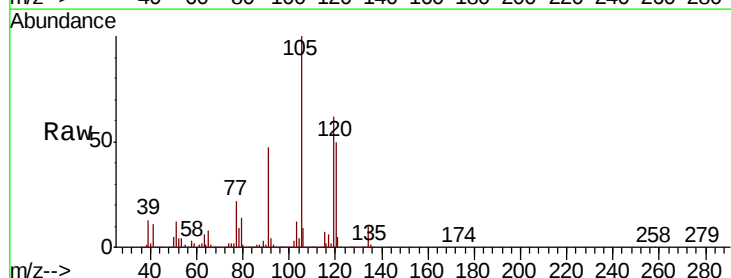
Ion Ratio Lower Upper

105 100

120 50.1 40.6 61.0

91 47.0 37.4 56.0

77 21.8 16.2 24.4

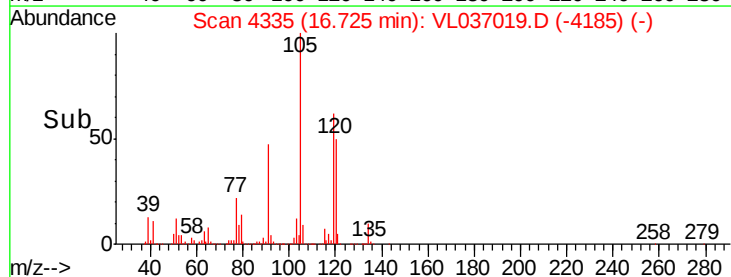
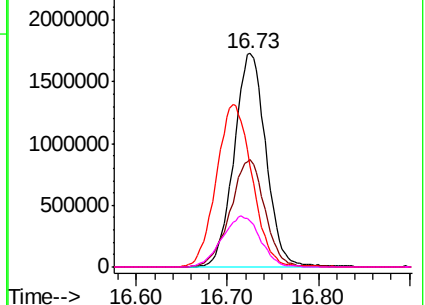


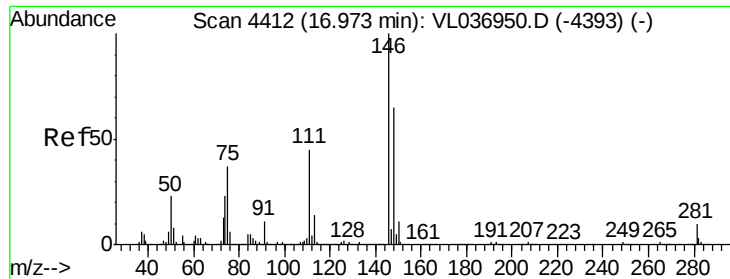
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

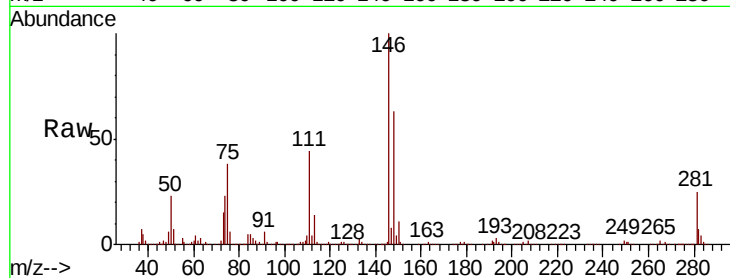




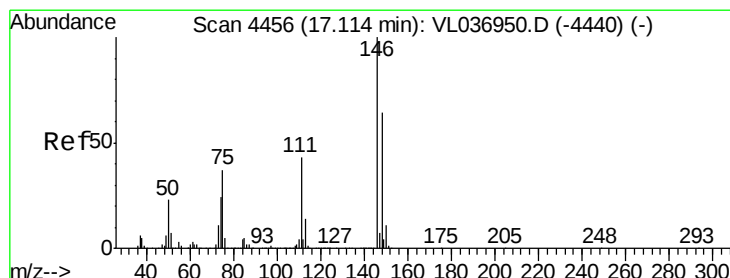
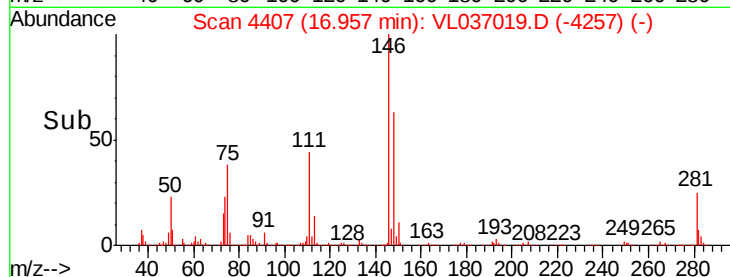
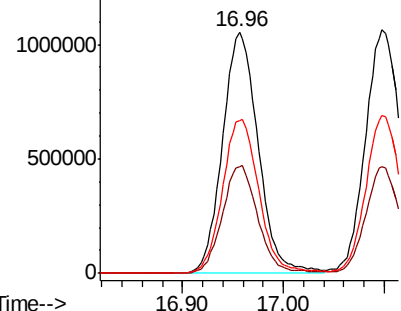
#75
 1,3-Dichlorobenzene
 Concen: 7.691 ppbv
 RT: 16.96 min Scan# 4407
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2581898
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.2 66.6
 148 64.7 32.3 96.8

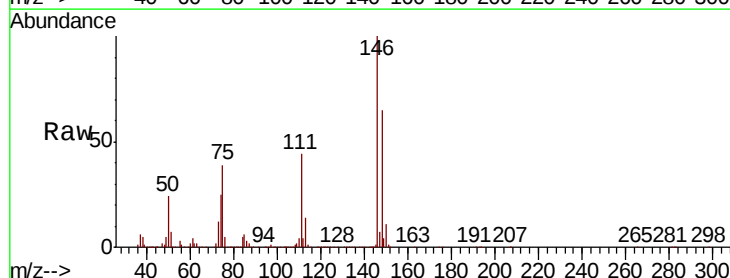


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

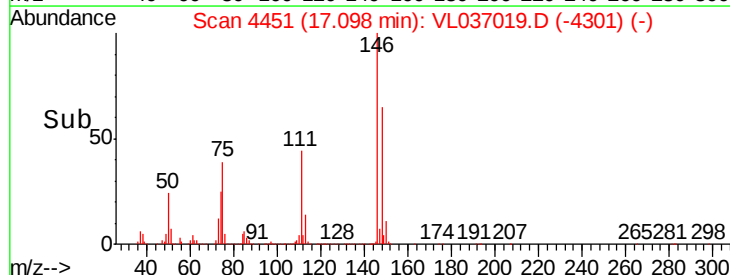
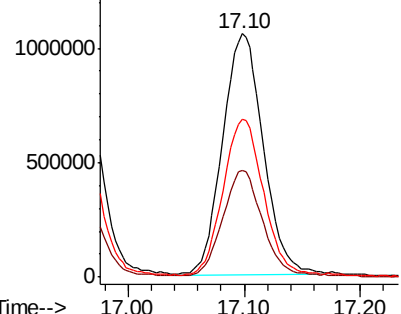


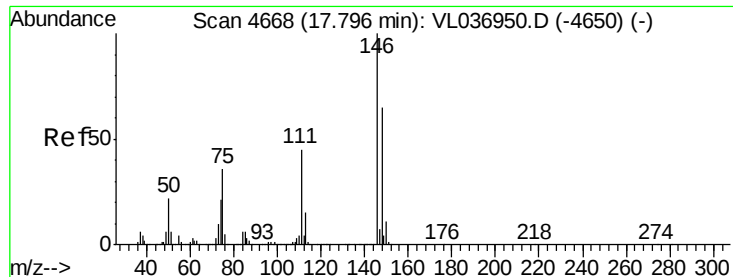
#76
 1,4-Dichlorobenzene
 Concen: 7.537 ppbv
 RT: 17.10 min Scan# 4451
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion:146 Resp: 2558255
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.6 67.7
 148 66.9 33.5 100.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

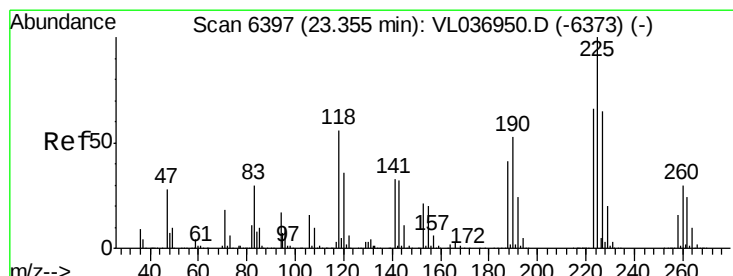
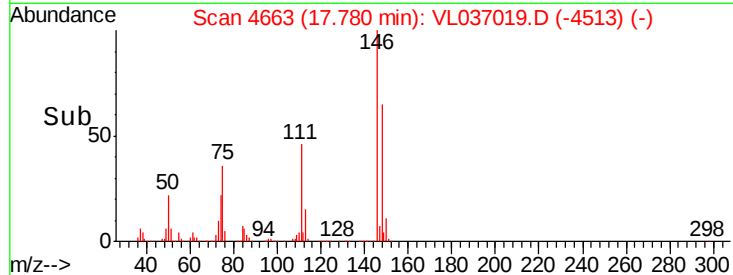
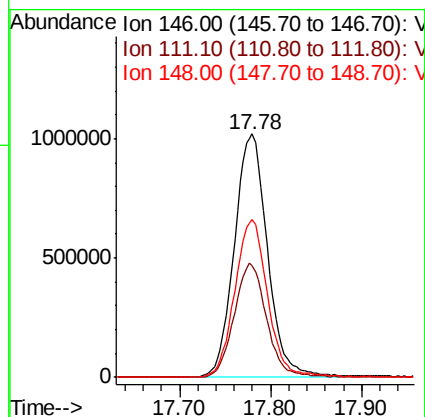
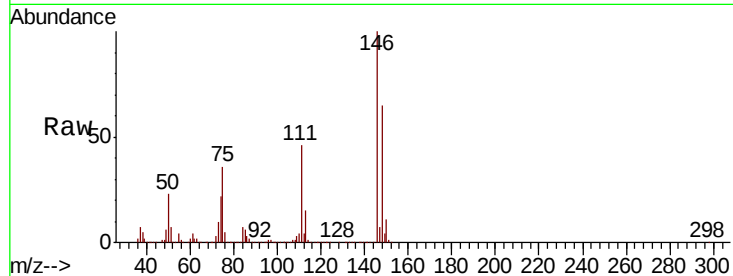




#77
 1,2-Dichlorobenzene
 Concen: 7.621 ppbv
 RT: 17.78 min Scan# 4663
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

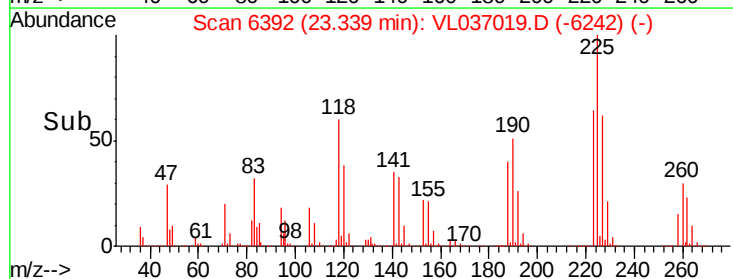
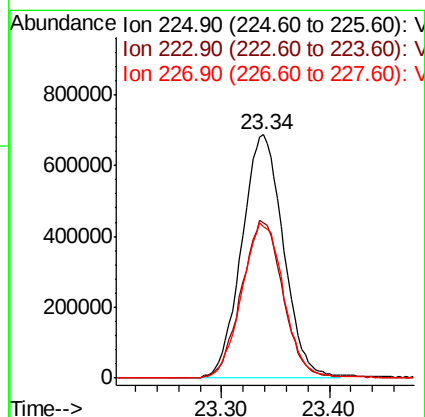
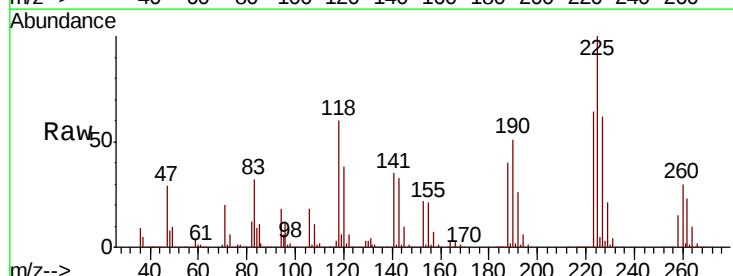
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

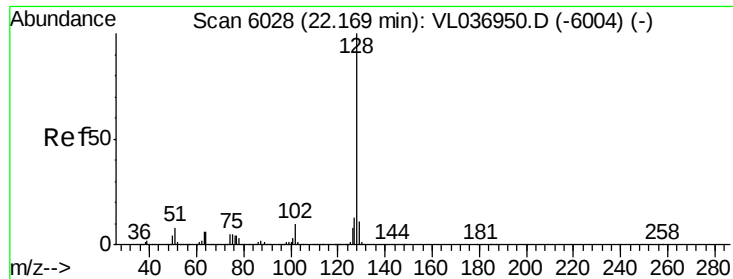
Tot Ion:146 Resp: 2563389
 Ion Ratio Lower Upper
 146 100
 111 46.3 23.1 69.2
 148 64.8 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.815 ppbv
 RT: 23.34 min Scan# 6392
 Delta R.T. -0.02 min
 Lab File: VL037019.D
 Acq: 20 May 2021 9:26

Tgt Ion:225 Resp: 1843270
 Ion Ratio Lower Upper
 225 100
 223 64.8 51.9 77.9
 227 64.6 51.8 77.6

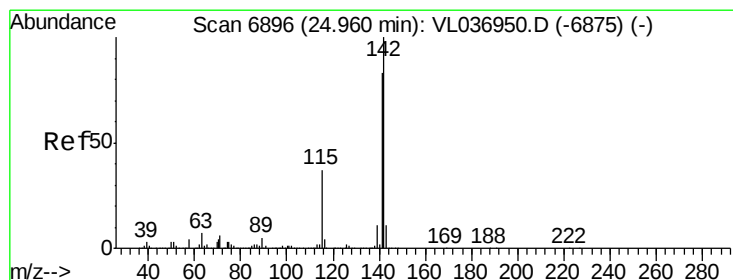
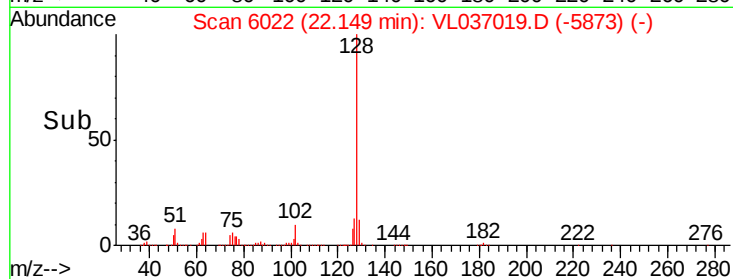
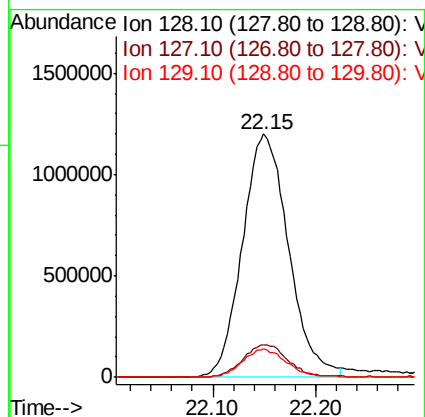
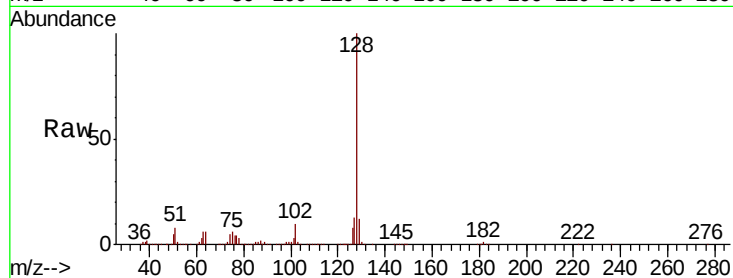




#79
Naphthalene
Concen: 8.623 ppbv
RT: 22.15 min Scan# 6022
Delta R.T. -0.02 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

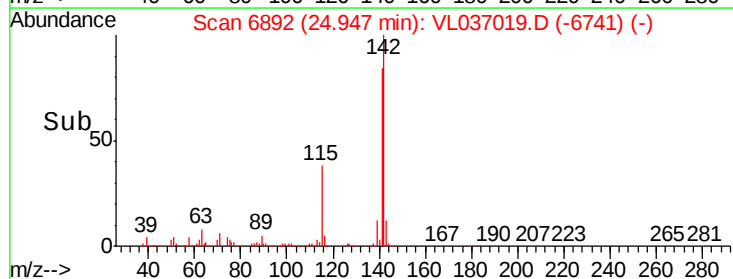
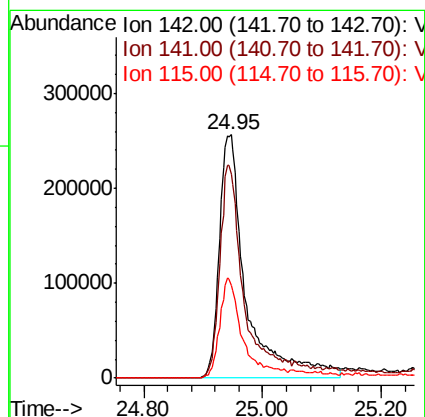
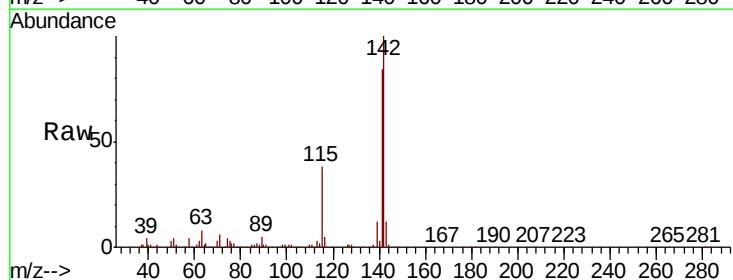
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

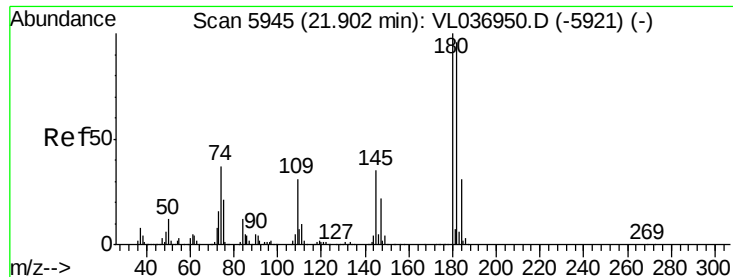
Tot Ion:128 Resp: 3719639
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.9 9.0 13.6



#80
Naphthalene, 2-methyl-
Concen: 8.601 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.01 min
Lab File: VL037019.D
Acq: 20 May 2021 9:26

Tgt Ion:142 Resp: 806751
Ion Ratio Lower Upper
142 100
141 85.3 69.3 103.9
115 38.5 29.1 43.7





#81

1,2,4-Trichlorobenzene

Concen: 8.025 ppbv

RT: 21.89 min Scan# 5940

Delta R.T. -0.02 min

Lab File: VL037019.D

Acq: 20 May 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

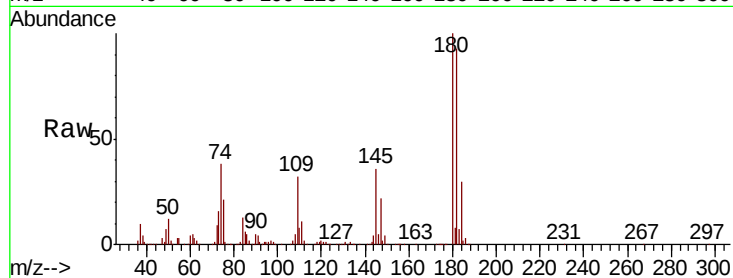
Tot Ion:180 Resp: 2110296

Ion Ratio Lower Upper

180 100

182 101.2 81.7 122.5

184 32.3 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

